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# Metropolitan Housing Characteristics

## BAY CITY, MICH.

STANDARD METROPOLITAN STATISTICAL AREA

# 1980

## Census of Housing

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# 1980 Census of Housing

VOLUME 2

## Metropolitan Housing Characteristics

**BAY CITY, MICH.**

HC80-2-86

Issued November 1983



U.S. Department of Commerce  
Malcolm Baldrige, Secretary  
Robert G. Dederick,  
Under Secretary for  
Economic Affairs

BUREAU OF THE CENSUS  
C. L. Kincannon, Acting Director

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BUREAU OF THE CENSUS  
C. L. Kincannon, Acting Director

HOUSING DIVISION  
Arthur F. Young, Chief

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9	Delaware	49	Washington	85	Battle Creek, Mich.		
10	Not assigned	50	West Virginia	86	Bay City, Mich.	120	Chico, Calif.
11	Florida	51	Wisconsin	87	Beaumont-Port Arthur-Orange, Tex.	121	Cincinnati, Ohio-Ky.-Ind.
12	Georgia	52	Wyoming	88	Bellingham, Wash.	122	Clarksville-Hopkinsville, Tenn.-Ky.
13	Hawaii	53	Puerto Rico	89	Benton Harbor, Mich.	123	Cleveland, Ohio
14	Idaho	54	Not assigned	90	Billings, Mont.	124	Colorado Springs, Colo.
15	Illinois	55	Not assigned	91	Biloxi-Gulfport, Miss.	125	Columbia, Mo.
16	Indiana	56	Not assigned	92	Binghamton, N.Y.-Pa.	126	Columbia, S.C.
17	Iowa	57	Not assigned	93	Birmingham, Ala.	127	Columbus, Ga.-Ala.
18	Kansas	58	Abilene, Tex.	94	Bismarck, N. Dak.	128	Columbus, Ohio
19	Kentucky	59	Akron, Ohio	95	Bloomington, Ind.	129	Corpus Christi, Tex.
20	Louisiana	60	Albany, Ga.	96	Bloomington-Normal, Ill.	130	Cumberland, Md.-W. Va.
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		190	Jackson, Miss.	230	Lynchburg, Va.	267	Norwalk, Conn.
151	Fall River, Mass.-R.I.			231	Macon, Ga.	268	Ocala, Fla.
152	Fargo-Moorhead, N. Dak.-Minn.	191	Jacksonville, Fla.	232	Madison, Wis.	269	Odessa, Tex.
153	Fayetteville, N.C.	192	Jacksonville, N.C.	233	Manchester, N.H.	270	Oklahoma City, Okla.
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158	Florence, S.C.	198	Kalamazoo-Portage, Mich.			275	Oxnard-Simi Valley-Ventura, Calif.
159	Fort Collins, Colo.	199	Kankakee, Ill.				
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161	Fort Myers-Cape Coral, Fla.	201	Kenosha, Wis.	240	Meriden, Conn.	277	Parkersburg-Marietta, W. Va.-Ohio
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176	Greensboro-Winston-Salem-High Point, N.C.	218	Lewiston-Auburn, Maine	256	New Brunswick-Perth Amboy-Sayreville, N.J.	293	Providence-Warwick-Pawtucket, R.I.-Mass.
177	Greenville-Spartanburg, S.C.	219	Lexington-Fayette, Ky.	257	New Haven-West Haven, Conn.	294	Provo-Orem, Utah
178	Hagerstown, Md.	220	Lima, Ohio	258	New London-Norwich, Conn.-R.I.	295	Pueblo, Colo.
179	Hamilton-Middletown, Ohio			259	New Orleans, La.	296	Racine, Wis.
180	Harrisburg, Pa.	221	Lincoln, Nebr.	260	New York, N.Y.-N.J.	297	Raleigh-Durham, N.C.
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306	Rochester, N.Y.	325	Santa Cruz, Calif.	345	Stockton, Calif.	364	Waco, Tex.
307	Rockford, Ill.			346	Syracuse, N.Y.	365	Washington, D.C.-Md.-Va.
308	Rock Hill, S.C.	326	Santa Rosa, Calif.	347	Tacoma, Wash.	366	Waterbury, Conn.
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312	St. Joseph, Mo.	330	Sharon, Pa.	351	Texarkana, Tex.-Texarkana, Ark.	370	Wheeling, W. Va.-Ohio
313	St. Louis, Mo.-Ill.	331	Sheboygan, Wis.	352	Toledo, Ohio-Mich.	371	Wichita, Kans.
314	Salem, Oreg.	332	Sherman-Denison, Tex.	353	Topeka, Kans.	372	Wichita Falls, Tex.
315	Salinas-Seaside-Monterey, Calif.	333	Shreveport, La.	354	Trenton, N.J.	373	Williamsport, Pa.
		334	Sioux City, Iowa-Nebr.	355	Tucson, Ariz.	374	Wilmington, Del.-N.J.-Md.
		335	Sioux Falls, S. Dak.	356	Tulsa, Okla.	375	Wilmington, N.C.
316	Salisbury-Concord, N.C.	336	South Bend, Ind.	357	Tuscaloosa, Ala.		
317	Salt Lake City-Ogden, Utah	337	Spokane, Wash.	358	Tyler, Tex.	376	Worcester, Mass.
318	San Angelo, Tex.	338	Springfield, Ill.	359	Utica-Rome, N.Y.	377	Yakima, Wash.
319	San Antonio, Tex.	339	Springfield, Mo.	360	Vallejo-Fairfield-Napa, Calif.	378	York, Pa.
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321	San Francisco-Oakland, Calif.	341	Springfield-Chicopee-Holyoke, Mass.-Conn.			380	Yuba City, Calif.
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## Introduction

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### GENERAL

This report is part of the *Metropolitan Housing Characteristics* series and presents cross-tabulations of sample data on housing and household characteristics from the 1980 Census of Population and Housing. Legal provision for this census, which was conducted as of April 1, 1980, was made in the Act of Congress of August 31, 1954 (amended August 1957, December 1975, and October 1976), which codified Title 13, United States Code.

The content and procedures of the 1980 census were determined after evaluation of the results of the 1970 census, consultation with a wide variety of users of census data, and extensive field testing. A number of changes were introduced in 1980 to improve the usefulness of the census results. The changes do not, however, affect to any appreciable extent the comparability between the 1980 data and the 1970 data. Further information on comparability appears in Appendix B, "Definitions and Explanations of Subject Characteristics."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in other publications of the 1980 census.

The *Metropolitan Housing Characteristics* series consists of a United States

Summary report and individual reports for each of the 50 States, Puerto Rico, and each of the standard metropolitan statistical areas (SMSA's) in the United States and Puerto Rico. The abbreviated identification for this report is HC80-2 (i.e., Housing Census, 1980, Volume 2) followed by a number representing the State or SMSA.

In the SMSA reports, data are published for the following levels of geography: the SMSA, each central city, and each place of 50,000 or more population. In the State reports, data are shown for the State, that part of the State inside SMSA's, and inside central cities. In the United States Summary report, data are published for the United States total, inside SMSA's, and inside central cities, and for the four census regions, the region total, inside SMSA's, and inside central cities.

### CONTENTS OF THE REPORT

This report contains text (this introduction and six appendixes), a table of contents, one or more maps, and a series of detailed tables. The detailed tables are organized to provide a set of 68 tables for each geographic area (State, SMSA, central city, etc.) covered in the report. As shown in the "Index of Tables" on page IX, the set of tables for each geographic area is identified with a unique letter (A, B, C, etc.) prefix in the table number. In the SMSA reports, the SMSA is presented first, followed by the sets of tables for the central cities and places, all in alphabetical order.

For each particular area, the 68 tables consist of: 13 tables for the area in its entirety, 44 tables for occupied housing units classified by the racial group of the householder, and 11 tables for occupied housing units with householders of Spanish origin. More specifically, tables

1 to 13 are for the entire State, SMSA, central city, or place; tables 14 to 24 are for housing units with a White householder; tables 25 to 35 are for units with a Black householder; tables 36 to 46 are for units with an American Indian, Eskimo, or Aleut householder; tables 47 to 57 are for units with an Asian or Pacific Islander householder; and tables 58 to 68 are for units with a Spanish origin householder.

The race and Spanish origin tables are presented for SMSA's and places only when certain population-size criteria are met. Tables 25 to 35 (Black); 36 to 46 (American Indian, Eskimo, and Aleut); and 47 to 57 (Asian and Pacific Islander) are presented only when the particular area's population contains 10,000 or more persons of the given racial group or when the persons in the given racial groups constitute 10 percent or more of the total population of the particular area. If any of these 3 sets of tables qualify to appear for an area, tables 14 to 24 (White) are also presented. The Spanish origin tables (58 to 68) are shown if there are 10,000 or more Spanish origin persons in the particular area or if such persons constitute 10 percent or more of the total population of the particular area.

Appearing last in the report are the appendixes. Appendix A describes the various area classifications (e.g., standard metropolitan statistical area, census designated place). Appendix B provides definitions and explanations for the subjects covered in this report. Appendix C briefly explains the residence rules used in counting the population and describes the data collection and processing procedures. Appendix D presents information on the sources of error in the data and on editing procedures. Appendix E contains facsimiles of the 1980 census questionnaire pages and respondent instructions. Appendix F summarizes the data dissemination program of the 1980 census.

### DERIVED FIGURES (Means, Medians, and Percents)

This report presents means, medians, and percents, as well as certain rates and ratios. The median—a type of average—is the middle value in a distribution; i.e., the median divides the distribution into two equal parts: one-half of the cases are below the median and one-half of the cases are above the median. Percents and other derived measures which round to less than 0.1 are not shown but are indicated as zero (i.e., “—”).

Medians for rooms are rounded to the nearest tenth; for age, to the nearest year; for persons, to the nearest hundredth; for value, to the nearest hundred dollars; and for income, selected monthly owner costs, contract and gross rent, to the nearest dollar. In computing medians for rooms and persons per housing unit, the whole number is used as the midpoint of the interval so that, for example, the category “3 rooms” is treated as an interval ranging from 2.5 to 3.5 rooms. In computing median rent, units reported as “no cash rent” are excluded. The median is computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in this report. For example, median age is based on a distribution of five year intervals from 15 to 85 years. When the median falls in the lower terminal category of an open-ended distribution, the method of presentation is to show the initial value of the next category followed by a minus sign; thus, for example, if the median falls in the category “Less than \$10,000,” it is shown as “\$10,000—.” When the median falls in the upper terminal category of an open-

ended distribution, the initial value of the terminal category is given followed by a plus sign; thus, for example, if the median falls in the category “\$150,000 or more,” it is shown as “\$150,000+.”

### SYMBOLS AND GEOGRAPHIC ABBREVIATIONS

The following symbols and geographic abbreviations are used in the tables:

- A dash “—” represents zero or a percent which rounds to less than 0.1.
- Three dots “...” mean not applicable, or that the data are being withheld to avoid disclosure of information for individual housing units. (For further information on disclosure, see the section below on “Suppression of Data for Confidentiality.”)
- CDP is census designated place.
- SMSA is standard metropolitan statistical area.

### SUPPRESSION OF DATA FOR CONFIDENTIALITY

To maintain the confidentiality promised respondents and required by law, the Census Bureau takes precautions that its published data do not disclose information about specific individuals and housing units. To accomplish this, the Bureau suppresses data for characteristics which are based on a small number of persons and/or housing units in the geographic area. Under certain conditions, both primary and complementary suppression, as defined below, may take place.

The general rules of primary suppression of sample data are as follows: esti-

mates of total population by race and Spanish origin are never suppressed; other characteristics for persons are shown only if there are 30 or more persons in the geographic area; estimates of total housing units, vacant housing units, year-round housing units, and occupied housing units are never suppressed; characteristics of year-round housing units which are not classified by occupancy status are shown only when there are 10 or more year-round housing units in the geographic area; characteristics of families, households, or occupied housing units are shown only if there are at least 10 occupied housing units within the geographic area; and distributions of data for owners or renters are shown only where the number of owners is at least 10 and the number of renters is also at least 10. These primary suppression criteria are applied independently of one another. The comparable figures for complete count (100-percent) data are 15 or more persons and 5 or more housing units of the specified type.

Population and occupied housing unit characteristics cross-classified by race or Spanish origin (of the householder in the case of occupied housing units) are subject to an additional level of examination. This requires that the 30 person or 10 housing unit criterion stated above be applied individually to each race or Spanish origin category.

Finally, complementary suppression is applied to prevent the derivation of primary suppressed data by subtraction. For example, housing unit data shown by tenure may require complementary suppression when the number of owner-occupied or renter-occupied housing units is less than 10.

# 1980

**Census of  
Housing**

# Metropolitan Housing Characteristics

## BAY CITY, MICH.

STANDARD METROPOLITAN STATISTICAL AREA

HC80-2-86

### Contents

#### Arrangement of Tables

This report presents a set of tables for the SMSA, each central city, and each place of 50,000 inhabitants or more. The report is organized to provide a set of 68 tables for each geographic area. There are 11 tables showing data for all households in the area, 2 tables showing data for vacant units, 11 tables for householders of each of four separate race groups, and 11 tables for householders of Spanish origin. The race/Spanish origin tables are, however, shown only when certain population criteria are met. See page VII of the Introduction for further information. To assist the reader in using this report, the listings are presented as follows:

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<b>Index of Tables</b> —shows the pages on which the tables for each geographic area appear and the pages on which data for the various race/Spanish origin householders appear . . . . .	IX
<b>List of Tables</b> —shows the table numbers and titles for each of the 68 tables . . . . .	X
<b>Table Finding Guide</b> —shows the tables in which the various subject cross-classifications presented in the report appear . . . . .	XII
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Tables for the total SMSA have the prefix letter "A"; tables for central cities and places of 50,000 inhabitants or more, in alphabetical order, have the prefix letter "B," "C," etc.

Area	Prefix letter	Tables 1-13 Total	Tables 14-24 White	Tables 25-35 Black	Tables 36-46 American Indian, Eskimo, and Aleut	Tables 47-57 Asian and Pacific Islander	Tables 58-68 Spanish Origin
SMSA total . . . . .	A	Pages 1 to 12 13 to 24	Pages	Pages	Pages	Pages	Pages
Bay City . . . . .	B		—	—	—	—	—

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(Tables 14 to 24 for the White population are shown if any of the other three racial groups in the area qualify; tables 25 to 35 are shown if an area has 10,000 or more or 10 percent Black population; tables 36 to 46 are shown if an area has 10,000 or more or 10 percent American Indian, Eskimo, and Aleut population; tables 47 to 57 are shown if an area has 10,000 or more or 10 percent Asian and Pacific Islander population; and tables 58 to 68 are shown if an area has 10,000 or more or 10 percent Spanish origin population)

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# Table Finding Guide— Cross-Classification of Subjects by Table Number

Subject	Value	Gross rent	Income and poverty status in 1979 of owner-occupied housing units	Income and poverty status in 1979 of renter-occupied housing units	Selected monthly owner costs for mortgaged housing units	Selected monthly owner costs for not mortgaged housing units
OCCUPANCY CHARACTERISTICS						
Condominium . . . . .	— 1	— 2	— 3	— 4	— 5	— 6
Year moved into unit . . . . .						
UTILIZATION CHARACTERISTICS						
Rooms . . . . .	1	2	—	—	5	6
Persons in unit . . . . .	—	—	—	—	5	6
Bedrooms . . . . .	1	2	—	—	—	—
Median rooms . . . . .	1	2	3	4	5	6
STRUCTURAL CHARACTERISTICS						
Units in structure . . . . .	—	2	—	—	—	—
Year structure built . . . . .	1	2	—	—	5	6
Stories in structure . . . . .	—	2	—	—	—	—
PLUMBING CHARACTERISTICS						
Plumbing facilities . . . . .	1	2	3	4	—	—
EQUIPMENT AND FUELS						
Heating equipment . . . . .	1	2	3	4	5	6
Air conditioning . . . . .	1	2	3	4	5	6
Vehicles available . . . . .	—	—	3	4	—	—
House heating fuel . . . . .	—	—	3	4	5	6
Water heating fuel . . . . .	—	—	—	—	—	—
FINANCIAL CHARACTERISTICS						
Value . . . . .	—	—	—	—	5	6
Price asked . . . . .	—	—	—	—	—	—
Mortgage status and selected monthly owner costs . . . . .	—	—	3	—	—	—
Selected monthly owner costs as percentage of household income . . . . .	—	—	—	—	5	6
Contract rent . . . . .	—	—	—	4	—	—
Gross rent . . . . .	—	—	—	4	—	—
Rent asked . . . . .	—	—	—	—	—	—
Gross rent as percentage of household income . . . . .	—	2	—	4	—	—
Mortgage status and selected monthly owner costs as percentage of household income . . . . .	1	—	3	—	—	—
HOUSEHOLD CHARACTERISTICS						
Household type by age of householder . . . . .	1	2	3	4	5	6
Income . . . . .	1	—	—	—	—	—
Income below poverty level . . . . .	1	2	—	—	—	—

The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.

White . . . . .	14	15	16	17	18	19
Black . . . . .	25	26	27	28	29	30
American Indian, Eskimo, and Aleut . . . . .	36	37	38	39	40	41
Asian and Pacific Islander . . . . .	47	48	49	50	51	52
Spanish origin . . . . .	58	59	60	61	62	63

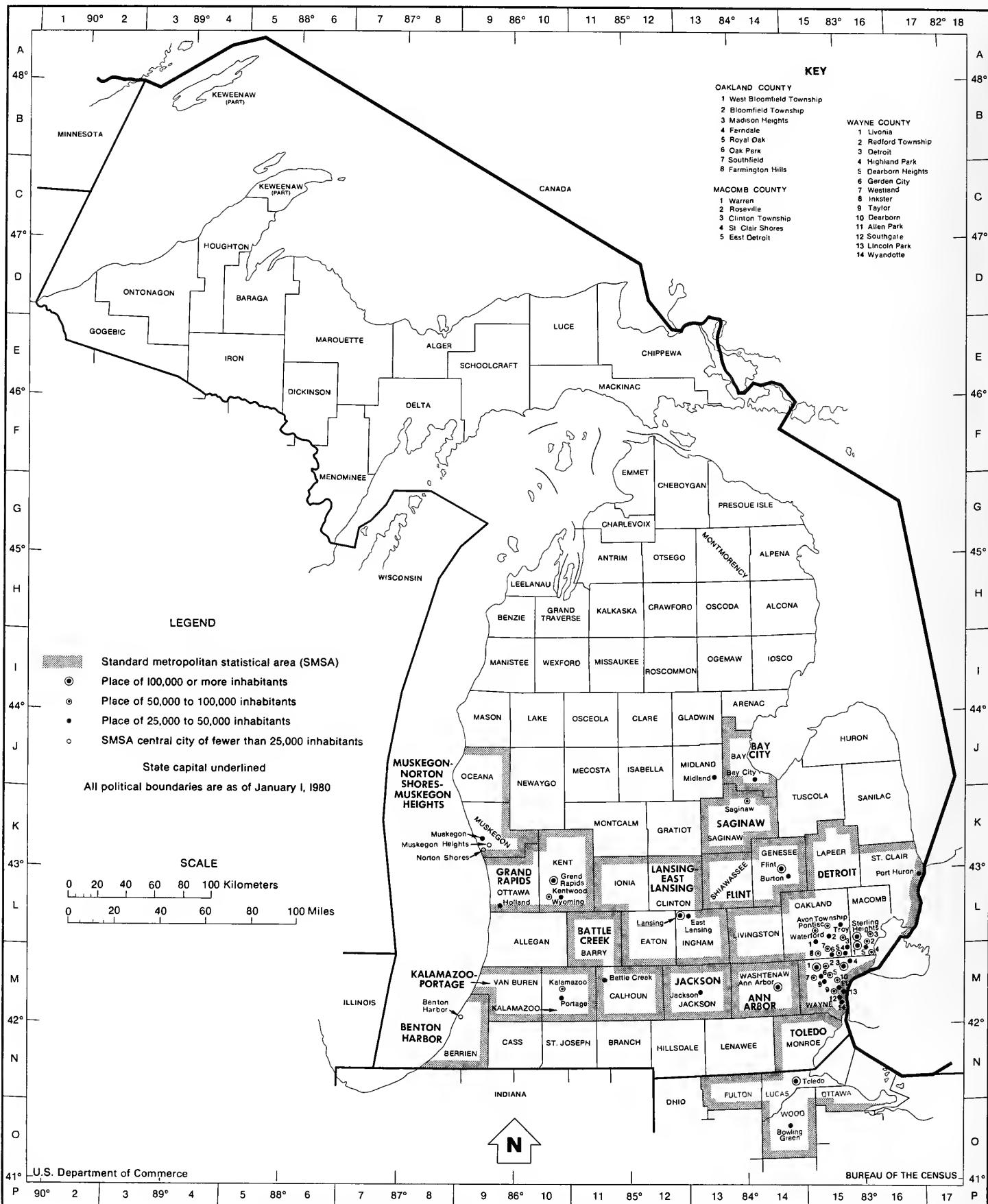
**Table Finding Guide—Cross-Classification of Subjects by Table Number**

Subject	Year structure built	Units in structure	Size of household (persons)	Household composition by age of householder	Age and sex of householder in one-person households	Duration of vacancy	Price asked and rent asked
OCCUPANCY CHARACTERISTICS							
Condominium . . . . .	—	8	—	—	—	—	—
Year moved into unit. . . . .	7	8	—	—	—	—	—
UTILIZATION CHARACTERISTICS							
Rooms . . . . .	7	8	9	—	—	12	—
Persons in unit. . . . .	7	—	—	10	—	—	—
Bedrooms . . . . .	—	8	—	—	—	12	13
Median rooms . . . . .	7	8	9	—	—	12	—
STRUCTURAL CHARACTERISTICS							
Units in structure . . . . .	7	—	9	—	11	12	13
Year structure built. . . . .	—	—	—	—	—	12	13
Stories in structure . . . . .	—	—	—	—	—	—	—
PLUMBING CHARACTERISTICS							
Plumbing facilities . . . . .	7	8	9	10	11	12	13
EQUIPMENT AND FUELS							
Heating equipment . . . . .	7	8	—	—	—	12	—
Air conditioning. . . . .	7	8	—	—	—	—	—
Vehicles available . . . . .	—	8	—	—	—	—	—
House heating fuel . . . . .	7	8	—	—	—	—	—
Water heating fuel. . . . .	—	8	—	—	—	—	—
FINANCIAL CHARACTERISTICS							
Value . . . . .	—	—	9	—	—	—	—
Price asked. . . . .	—	—	—	—	—	12	—
Mortgage status and selected monthly owner costs . . . . .	—	—	—	—	11	—	—
Selected monthly owner costs as percentage of household income. . . . .	—	—	9	—	11	—	—
Contract rent . . . . .	—	—	—	—	—	—	—
Gross rent . . . . .	—	—	9	—	11	—	—
Rent asked. . . . .	—	—	—	—	—	12	—
Gross rent as percentage of household income. . . . .	—	—	9	10	11	—	—
Mortgage status and selected monthly owner costs as percentage of household income. . . . .	—	—	—	10	—	—	—
HOUSEHOLD CHARACTERISTICS							
Household type by age of householder . . . . .	7	8	—	—	—	—	—
Income. . . . .	7	8	9	—	11	—	—
Income below poverty level . . . . .	7	8	9	—	11	—	—

The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.

White. . . . .	20	21	22	23	24	—	—
Black. . . . .	31	32	33	34	35	—	—
American Indian, Eskimo, and Aleut . . . . .	42	43	44	45	46	—	—
Asian and Pacific Islander . . . . .	53	54	55	56	57	—	—
Spanish origin . . . . .	64	65	66	67	68	—	—

# Standard Metropolitan Statistical Areas, Counties, and Selected Places



CORRECTION NOTE

Any corrections to the 1980 census counts of the total population and total housing units made after this report was printed are available by writing to Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233.

NOTE TO USERS:

The "Not computed" line for Mortgage Status and Selected Monthly Owner Costs as Percentage of Household Income in 1979 for not mortgaged units includes households with zero or negative income and households reporting no housing costs; that is, not mortgaged units with no utility, fuel, tax, or insurance payments required. Households with no Selected Monthly Owner Costs are normally excluded from the "Not computed" category.



Table A—1. Value of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8.]

## The SMSA

## Specified owner-occupied housing units -----

	Total	Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Median (dollars)	Mean (dollars)
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
<b>Married-couple families</b>													
15 to 24 years	19 730	263	1 764	3 828	4 343	3 786	2 354	2 300	699	326	67	39 200	42 800
25 to 34 years	735	12	144	235	179	111	26	15	8	5	—	28 900	31 600
35 to 44 years	4 722	62	320	913	1 098	945	622	561	179	13	9	39 700	42 600
45 to 64 years	4 444	33	201	640	995	887	545	722	260	142	19	43 900	48 600
65 years and over	7 227	106	636	1 263	1 525	1 478	963	872	208	142	34	40 500	43 600
<b>Male householder, no wife present</b>													
15 to 24 years	2 602	50	463	777	546	365	198	130	44	24	5	30 200	34 000
25 to 34 years	1 868	108	317	566	366	208	164	111	23	—	5	28 300	32 400
35 to 44 years	156	6	46	51	23	13	5	6	6	—	—	25 600	29 500
45 to 64 years	435	33	46	119	111	64	36	26	—	—	—	32 400	33 100
65 years and over	246	—	25	74	54	20	36	32	5	—	—	34 600	38 000
<b>Female householder, no husband present</b>													
15 to 24 years	524	23	90	164	80	78	52	28	9	—	—	26 900	32 700
25 to 34 years	507	46	110	158	98	33	35	19	3	—	5	24 700	29 500
35 to 44 years	4 765	257	1 155	1 364	960	470	280	197	66	8	8	26 300	30 200
45 to 64 years	521	22	101	186	98	66	29	12	7	—	—	30 100	33 600
65 years and over	432	25	102	88	93	24	75	21	—	—	4	30 100	33 400
<b>Median age</b>	1 460	67	305	364	370	185	70	63	32	—	4	29 500	31 900
2 263	132	634	706	381	185	96	101	20	8	—	24 800	28 300	
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>	48.1	58.6	59.3	52.3	46.9	45.9	45.2	43.5	41.8	46.1	49.4	...	...
1979 to March 1980	2 171	68	194	407	469	321	229	299	132	48	4	38 700	44 100
1975 to 1978	6 380	95	583	1 338	1 303	1 186	766	736	249	93	31	39 000	42 800
1970 to 1974	4 389	83	386	823	973	744	565	558	175	58	24	39 200	43 500
1960 to 1969	5 422	106	527	1 019	1 183	1 041	615	684	155	88	4	38 900	41 700
1959 or earlier	8 001	276	1 546	2 171	1 741	1 172	623	331	77	47	17	30 000	32 800
<b>ROOMS</b>													
1 to 3 rooms	300	48	155	19	43	18	12	5	—	—	—	15 800	20 900
4 rooms	2 784	210	654	972	531	231	129	48	9	—	—	25 000	27 000
5 rooms	7 769	149	936	1 795	1 832	1 609	839	512	57	35	5	34 700	36 600
6 rooms	7 376	137	822	1 509	1 664	1 422	833	785	182	17	5	37 300	39 500
7 rooms	4 430	53	411	881	955	747	522	660	163	31	7	39 100	42 600
8 or more rooms	3 704	31	258	582	644	437	463	598	377	251	63	47 400	54 600
<b>Median</b>	5.8	4.9	5.4	5.6	5.8	5.8	6.0	6.4	7.4	8.5+	8.5+	...	...
<b>BEDROOMS</b>													
None	29	—	19	—	5	—	—	5	—	—	—	18 600	28 000
1	632	89	224	171	60	55	21	12	—	—	—	20 100	23 400
2	6 555	315	1 287	2 161	1 414	670	415	244	33	11	5	27 000	30 200
3	13 968	167	1 235	2 483	3 021	2 921	1 751	1 752	479	131	28	40 200	42 700
4	4 369	39	391	798	979	729	475	535	241	145	37	39 800	46 100
5 or more	810	18	80	145	190	89	136	60	35	47	10	38 400	46 300
<b>YEAR STRUCTURE BUILT</b>													
1975 to March 1980	1 950	19	38	113	263	336	369	513	214	66	19	54 800	58 900
1970 to 1974	2 292	36	65	293	384	418	378	514	144	40	20	49 000	51 900
1960 to 1969	4 113	36	89	393	842	988	678	757	186	129	15	46 900	50 400
1950 to 1959	5 424	32	400	1 032	1 321	1 273	707	459	147	42	11	39 500	41 300
1940 to 1949	3 534	77	518	1 046	903	515	271	142	32	25	5	31 200	33 600
1939 or earlier	9 050	428	2 126	2 881	1 956	934	395	223	65	32	10	26 200	29 200
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000	2 175	209	608	683	355	145	60	72	37	6	—	22 900	26 700
\$5,000 to \$9,999	3 086	199	777	939	600	304	141	113	4	4	5	25 200	28 300
\$10,000 to \$12,499	1 369	35	341	381	248	218	89	40	17	—	—	27 300	31 100
\$12,500 to \$14,999	1 390	49	207	424	314	203	92	87	11	3	—	30 400	33 100
\$15,000 to \$19,999	3 475	58	502	894	952	537	267	214	46	5	—	32 600	34 900
\$20,000 to \$24,999	4 360	20	378	981	1 110	872	573	339	76	7	4	36 500	39 000
\$25,000 to \$34,999	6 022	39	331	987	1 420	1 249	881	821	244	45	5	41 800	44 300
\$35,000 to \$49,999	3 292	12	68	370	540	767	559	658	159	147	12	48 400	52 600
\$50,000 or more	1 194	7	24	99	130	169	136	264	194	117	54	62 300	69 300
<b>Median</b>	\$21 848	\$7 365	\$11 708	\$17 731	\$21 495	\$24 738	\$26 722	\$30 041	\$32 796	\$43 794	\$60 177	...	...
<b>Mean</b>	\$23 430	\$10 221	\$13 965	\$18 555	\$22 076	\$25 799	\$28 054	\$33 136	\$38 328	\$54 818	\$68 714	...	...
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>													
With a mortgage	14 423	206	1 180	2 666	2 981	2 807	1 849	1 878	581	229	46	40 600	44 000
Less than 15 percent	4 623	57	328	901	980	888	577	635	165	77	15	40 400	44 100
15 to 19 percent	3 759	36	258	693	817	803	551	392	157	32	20	41 000	43 900
20 to 24 percent	2 537	5	176	402	538	531	334	361	129	55	6	42 900	46 400
25 to 29 percent	1 354	23	110	225	277	261	158	231	31	33	5	41 600	45 200
30 to 34 percent	605	—	52	133	100	90	77	103	24	26	—	41 600	46 300
35 percent or more	1 494	77	246	308	269	229	146	145	68	6	—	34 000	37 500
Not computed	51	8	10	4	—	5	6	11	7	—	—	43 500	44 300
Median	18.4	25.2	20.0	18.1	18.1	18.2	18.1	18.8	18.9	20.5	17.0	...	...
Not mortgaged	11 940	422	2 056	3 092	2 688	1 657	949	730	207	105	34	31 200	34 700
Less than 10 percent	4 303	64	522	912	1 065	803	469	310	94	60	4	34 900	38 600
10 to 14 percent	2 422	76	337	588	579	318	191	221	70	26	16	33 100	37 900
15 to 19 percent	1 369	55	247	403	289	168	134	46	10	12	5	29 200	32 900
20 to 24 percent	831	53	243	195	197	53	41	35	9	—	5	24 400	29 100
25 to 29 percent	776	36	178	317	102	72	45	26	—	—	—	25 500	28 100
30 to 34 percent	445	26	103	99	124	55	21	17	—	—	—	27 100	29 200
35 percent or more	1 707	99	400	569	324	184	38	75	7	7	4	24 700	28 600
Not computed	87	13	26	9	8	4	10	10	—	17	—	21 400	37 300
Median	13.4	20.9	18.2	15.5	12.4	10.4	10.0	11.2	10.1	10—	14.1	...	...
<b>SELECTED CHARACTERISTICS</b>													
Complete plumbing for exclusive use	26 188	557	3 159	5 744	5 663	4 464	2 798	2 601	788	334	80	36 000	39 900
1 or more persons per room	595	4	87	162	148	84	61	43	6	—	—	33 100	35 200
Lacking complete plumbing for exclusive use	175	71	77	14	6	—	—	7	—	—	—	11 500	15 100
1 or more persons per room	29	15	14	—	—	—	—	—	—	—	—	10 000—	11 600
Heating equipment	26 356	628	3 236	5 751	5 669	4 464	2 798	2 608	788	334	80	35 800	39 800
Central heating system	24 673	371	2 706	5 410	5 378	4 335	2 729	2 561	769	334	80	36 800	40 800
Air conditioning	6 840	89	517	1 315	1 536	1 269	825	740	298	204	47	39 700	44 800
Central system	1 652	—	52	132	242	279	241	313	185	166	42	54 400	62 700
Income in 1979 below poverty level	1 665	193	492	467	249	105	63	60	30	6	—	22 400	26 500
Percent below poverty level	6.3	30.7	15.2	8.1	4.4	2.4	2.3	2.3	3.8	1.8	—	...	...

Table A—2. Gross Rent of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA	Total	Less than \$100	\$100 to \$149	\$150 to \$199	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 or more	No cash rent	Median (dollars)
<b>Specified renter-occupied housing units</b>												
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>	<b>8 209</b>	<b>684</b>	<b>593</b>	<b>1 468</b>	<b>2 055</b>	<b>1 525</b>	<b>897</b>	<b>374</b>	<b>179</b>	<b>30</b>	<b>404</b>	<b>227</b>
Married-couple families	2 715	18	114	413	665	626	377	215	95	17	175	255
15 to 24 years	815	—	23	142	291	210	56	62	19	—	12	240
25 to 34 years	958	12	19	172	212	216	156	90	42	—	39	260
35 to 44 years	315	—	12	41	60	29	56	46	17	13	41	294
45 to 64 years	457	6	38	27	86	119	78	17	17	4	65	269
65 years and over	170	—	22	31	16	52	31	—	—	—	18	255
Male householder, no wife present	1 923	147	193	435	541	222	185	47	33	5	115	213
15 to 24 years	385	18	42	51	136	58	51	12	8	—	9	231
25 to 34 years	651	17	36	198	168	85	95	23	12	5	12	222
35 to 44 years	284	—	31	64	104	41	12	6	13	—	13	224
45 to 64 years	328	23	52	83	60	33	15	6	—	—	56	180
65 years and over	275	89	32	39	73	5	12	—	—	—	25	153
Female householder, no husband present	3 571	519	286	620	849	677	335	112	51	8	114	216
15 to 24 years	831	12	40	215	278	181	42	40	6	—	17	221
25 to 34 years	794	17	32	107	277	191	91	45	27	—	7	243
35 to 44 years	434	11	11	52	100	119	94	9	18	8	12	264
45 to 64 years	478	84	103	75	82	70	40	13	—	—	11	183
65 years and over	1 034	395	100	171	112	116	68	5	—	—	67	145
Median age	32.9	70.4	51.8	30.6	28.2	29.7	33.4	28.8	31.5	41.6	51.3	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980	3 831	203	146	632	1 034	772	522	292	134	17	79	243
1975 to 1978	2 827	345	214	549	721	526	264	65	37	13	93	215
1970 to 1974	880	132	89	165	189	154	62	12	8	—	69	206
1960 to 1969	449	4	106	99	94	54	35	—	—	—	57	185
1959 or earlier	222	—	38	23	17	19	14	5	—	—	106	174
<b>ROOMS</b>												
1 room	197	13	79	39	27	19	4	6	3	3	4	153
2 rooms	786	258	85	241	146	33	8	5	—	10	10	158
3 rooms	1 971	314	142	572	674	173	68	8	7	—	13	194
4 rooms	2 298	55	151	347	593	656	263	81	37	—	115	246
5 rooms	1 548	39	86	184	350	387	211	155	61	10	65	259
6 rooms	847	—	31	62	202	159	191	54	41	7	100	279
7 or more rooms	562	5	19	23	63	98	152	65	30	10	97	308
Median	4.0	2.7	3.4	3.3	3.8	4.3	5.0	5.1	5.2	5.8	5.4	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>AND POVERTY STATUS IN 1979</b>												
All income levels in 1979	8 209	684	593	1 468	2 055	1 525	897	374	179	30	404	227
Complete plumbing for exclusive use	7 944	672	501	1 405	2 027	1 490	897	360	179	30	383	229
0.50 or less	5 223	621	384	1 006	1 316	899	475	156	54	9	303	217
0.51 to 1.00	2 528	39	109	359	682	555	398	192	101	21	72	253
1.01 to 1.50	152	12	—	20	23	36	24	12	19	—	6	286
1.51 or more	41	—	8	20	6	—	—	—	5	—	2	167
Lacking complete plumbing for exclusive use	265	12	92	63	28	35	—	14	—	—	21	165
0.50 or less	139	12	37	38	—	23	—	8	—	—	21	162
0.51 to 1.00	87	—	37	22	16	12	—	—	—	—	—	170
1.01 to 1.50	—	—	—	—	—	—	—	6	—	—	—	195
1.51 or more	39	—	18	3	12	—	—	—	—	—	—	—
Income in 1979 below poverty level	2 278	382	153	429	554	338	226	108	27	—	61	210
Complete plumbing for exclusive use	2 189	370	146	410	537	321	226	100	27	—	52	210
1.01 or more persons per room	53	—	—	7	3	22	14	7	—	—	—	294
Lacking complete plumbing for exclusive use	89	12	7	19	17	17	—	8	—	—	9	205
1.01 or more persons per room	10	—	—	3	7	—	—	—	—	—	—	232
<b>BEDROOMS</b>												
None	279	13	98	98	31	19	4	6	3	3	4	162
1	3 119	627	274	901	962	232	64	24	—	35	35	185
2	3 193	10	164	381	806	986	474	149	63	2	158	257
3	1 268	34	37	78	214	212	262	169	98	17	147	297
4	305	—	20	10	32	65	83	18	13	8	56	298
5 or more	45	—	—	—	10	11	10	8	2	—	4	299
<b>UNITS IN STRUCTURE</b>												
1, detached or attached	2 495	19	124	240	506	498	426	197	140	21	324	270
2	1 258	37	103	338	378	225	114	39	—	2	22	221
3 and 4	1 221	35	124	397	422	138	52	26	8	4	15	204
5 to 9	992	35	133	211	196	229	118	46	12	—	12	228
10 to 49	1 151	71	44	111	378	326	142	44	16	3	16	246
50 or more	847	487	58	146	84	45	12	5	3	—	7	84
Mobile home or trailer, etc.	245	—	7	25	91	64	33	17	—	—	8	246
<b>YEAR STRUCTURE BUILT</b>												
1975 to March 1980	1 076	278	50	158	210	251	47	37	25	4	16	221
1970 to 1974	1 413	220	63	51	355	333	232	69	61	2	27	250
1960 to 1969	1 229	106	106	137	325	261	142	63	22	13	54	239
1950 to 1959	684	19	35	152	201	126	43	45	10	—	53	225
1940 to 1949	1 061	15	72	197	258	193	137	69	26	8	86	234
1939 or earlier	2 746	46	267	773	706	361	296	91	35	3	168	212
<b>STORIES IN STRUCTURE</b>												
1 to 3	7 623	273	512	1 393	2 050	1 518	897	374	179	30	397	235
4 or more	586	411	81	75	5	7	—	—	—	7	75	70
With elevator	500	411	54	23	5	—	—	—	—	—	7	70
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>												
Less than 15 percent	1 474	77	174	369	487	273	66	21	5	2	—	213
15 to 19 percent	1 221	96	78	181	287	272	174	78	53	2	—	246
20 to 24 percent	1 027	251	86	120	227	172	124	35	12	—	—	212
25 to 29 percent	820	159	44	135	154	160	93	58	9	8	—	226
30 to 34 percent	477	38	39	47	138	88	51	38	—	—	—	238
35 to 49 percent	819	36	84	173	181	182	95	42	13	13	—	232
50 percent or more	1 830	20	83	426	520	343	293	95	45	5	404	224
Not computed	541	7	5	17	61	35	1	7	4	—	—	—
Median	25.7	23.3	22.4	27.1	24.9	25.9	29.5	29.3	31.1	36.9	—	—
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment	8 205	684	593	1 468	2 055	1 521	897	374	179	30	404	227
Control heating system	7 269	650	505	1 242	1 744	1 412	847	359	179	27	304	231
Air conditioning	2 770	242	155	345	723	683	354	97	74	11	86	243
Central system	1 114	37	36	46	254	371	194	74	64	6	32	269

Table A—3. Income and Poverty Status in 1979 of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

## The SMSA

	Household income in 1979													Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)		
	Owner-occupied housing units	32 771	2 892	4 177	1 834	1 804	4 325	5 293	7 170	3 850	1 426	21 232	22 774	
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>														
Married-couple families	23 996	731	1 878	1 129	1 163	3 230	4 529	6 410	3 575	1 351	24 253	26 328	792	
15 to 24 years	1 030	60	49	129	140	191	251	175	35	—	18 430	18 741	75	
25 to 34 years	5 632	121	106	150	235	1 037	1 637	1 682	538	126	23 462	24 658	153	
35 to 44 years	5 188	91	93	103	110	665	1 082	1 768	997	279	27 358	29 405	143	
45 to 64 years	8 932	198	439	328	345	982	1 312	2 581	1 849	898	27 668	30 795	226	
65 years and over	3 214	261	1 191	419	333	355	247	204	156	48	10 925	14 308	195	
Male householder, no wife present	2 801	340	601	193	236	403	416	414	156	42	15 370	17 158	234	
15 to 24 years	253	12	21	60	32	67	21	28	12	—	15 089	16 845	10	
25 to 34 years	681	24	67	40	51	174	139	157	29	—	19 579	19 492	26	
35 to 44 years	375	25	44	17	10	55	101	62	54	7	21 201	23 166	28	
45 to 64 years	778	79	176	38	70	70	104	149	57	35	17 660	19 718	70	
65 years and over	714	200	293	38	73	37	51	18	4	—	6 992	9 098	100	
Female householder, no husband present	5 974	1 821	1 698	512	405	692	348	346	119	33	7 963	11 131	1 284	
15 to 24 years	140	31	48	29	3	18	11	—	—	—	8 750	9 657	41	
25 to 34 years	650	72	213	83	50	129	36	40	25	2	11 205	13 334	166	
35 to 44 years	546	45	130	71	69	90	63	58	20	—	13 478	15 123	87	
45 to 64 years	1 842	408	417	143	180	313	138	158	62	23	11 678	13 876	330	
65 years and over	2 796	1 265	890	186	103	142	100	90	12	8	5 595	8 105	660	
Median age	48.5	68.5	66.8	58.3	56.4	41.6	38.7	42.8	46.6	49.4	... ...	... ...	58.9	
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>														
1979 to March 1980	3 029	163	304	220	246	503	470	676	360	87	20 850	22 645	199	
1975 to 1978	8 242	422	695	377	390	1 210	1 836	2 173	793	346	22 531	24 391	517	
1970 to 1974	5 385	293	396	257	150	788	1 110	1 371	699	321	23 639	25 462	316	
1960 to 1969	6 319	472	575	318	380	732	819	1 629	1 037	357	24 197	25 361	378	
1959 or earlier	9 796	1 542	2 207	662	638	1 092	1 058	1 321	961	315	14 408	18 307	900	
<b>SELECTED CHARACTERISTICS</b>														
Complete plumbing for exclusive use	32 453	2 742	4 110	1 822	1 797	4 295	5 273	7 140	3 848	1 426	21 333	22 903	2 173	
1.01 or more persons per room	801	37	15	26	18	128	171	186	166	54	25 229	28 144	57	
Locking complete plumbing for exclusive use	318	150	67	12	7	30	20	30	2	—	5 726	9 579	137	
1.01 or more persons per room	33	17	8	—	—	2	6	—	—	—	4 917	8 370	17	
Hearing equipment	32 760	2 883	4 177	1 832	1 804	4 325	5 293	7 170	3 850	1 426	21 237	22 780	2 301	
Central heating system	30 285	2 376	3 601	1 697	1 652	4 060	4 923	6 845	3 714	1 417	21 745	23 352	1 836	
Air conditioning	8 377	408	821	358	447	1 143	1 420	2 059	1 182	539	23 505	26 234	298	
Central system	2 214	114	156	61	77	252	317	510	400	327	27 226	33 188	93	
Vehicles available	31 073	1 910	3 684	1 753	1 746	4 275	5 259	7 170	3 850	1 426	21 987	23 700	1 708	
1	10 722	1 487	2 649	1 076	940	1 767	1 416	1 050	224	113	12 896	14 682	1 131	
2 or more	20 351	423	1 035	677	806	2 508	3 843	6 120	3 626	1 313	26 222	28 451	577	
House heating fuel	32 760	2 883	4 177	1 832	1 804	4 325	5 293	7 170	3 850	1 426	21 237	22 780	2 301	
Utility gas	25 820	2 221	3 293	1 445	1 467	3 350	4 150	5 669	3 055	1 170	21 340	22 994	1 686	
Bottled, tank, or LP gas	1 189	83	187	64	37	214	169	283	103	49	20 321	21 894	63	
Electricity	677	61	76	28	20	80	104	125	111	72	23 561	27 122	52	
Fuel oil, kerosene, etc.	4 391	419	538	252	221	586	744	956	546	129	21 046	21 832	399	
Other	683	99	83	43	59	95	126	137	35	6	17 869	18 040	101	
Median rooms	5.7	5.1	5.1	5.4	5.5	5.5	5.8	6.0	6.2	6.9	... ...	... ...	5.2	
Specified owner-occupied housing units	26 363	2 175	3 086	1 369	1 390	3 475	4 360	6 022	3 292	1 194	21 848	23 430	1 665	
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS</b>														
With a mortgage	14 423	443	648	567	621	2 124	2 990	4 083	2 187	760	24 678	26 858	548	
Less than \$200	400	55	62	41	29	93	50	40	22	8	15 202	17 158	40	
\$200 to \$249	1 450	119	139	125	80	256	271	346	89	25	20 094	20 369	124	
\$250 to \$299	2 263	94	119	116	119	466	493	559	244	53	21 634	23 163	99	
\$300 to \$349	2 873	34	122	101	178	474	648	816	424	76	23 953	25 400	66	
\$350 to \$399	2 408	67	81	101	108	387	610	659	333	62	23 562	25 774	108	
\$400 to \$449	2 890	48	96	45	76	312	641	918	550	204	26 613	29 422	88	
\$500 to \$599	1 181	14	15	23	25	117	213	400	266	108	29 857	31 274	9	
\$600 to \$749	619	—	14	15	6	12	58	286	159	69	31 302	35 657	2	
\$750 or more	339	12	—	—	7	6	59	100	155	32 752	57 481	12		
Median	\$355	\$275	\$302	\$301	\$323	\$326	\$353	\$371	\$397	\$476	... ...	... ...	\$308	
Not mortgaged	11 940	1 732	2 438	802	769	1 351	1 370	1 939	1 105	434	15 861	19 289	1 117	
Less than \$50	—	—	—	—	—	—	—	—	—	—	3 469	3 771	59	
\$50 to \$74	97	73	23	—	1	—	—	—	—	—	8 495	11 098	98	
\$75 to \$99	546	150	179	37	51	59	14	34	22	—	8 495	11 098	98	
\$100 to \$124	1 520	418	410	106	108	143	116	141	58	20	9 091	13 038	273	
\$125 to \$149	2 376	408	648	197	162	358	213	269	102	19	11 675	14 756	226	
\$150 to \$199	4 592	484	904	376	313	522	626	803	480	84	17 139	19 230	299	
\$200 to \$249	1 984	144	237	65	92	214	280	515	268	169	24 355	26 515	114	
\$250 or more	825	55	37	21	42	55	121	177	175	142	27 531	34 056	48	
Median	\$166	\$139	\$148	\$158	\$160	\$161	\$177	\$183	\$189	\$228	... ...	... ...	\$139	
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>														
With a mortgage	14 423	443	648	567	621	2 124	2 990	4 083	2 187	760	24 678	26 858	548	
Less than 15 percent	4 623	—	—	—	12	166	420	1 787	1 583	655	34 487	38 499	—	
15 to 19 percent	3 759	—	6	23	78	581	1 195	1 400	398	78	24 985	26 561	—	
20 to 24 percent	2 537	6	14	81	95	674	887	606	151	20	22 156	23 423	13	
25 to 29 percent	1 354	—	38	126	199	375	366	210	33	7	19 148	19 697	6	
30 to 34 percent	605	—	44	94	131	165	91	58	22	—	15 741	17 266	2	
35 percent or more	1 494	386	546	243	106	163	31	19	—	—	7 486	8 724	476	
Not computed	51	51	—	—	—	—	—	—	—	—	2500—	—364	51	
Median	18.4	50+	50+	32.8	28.2	22.3	19.5	15.9	12.7	10—	... ...	... ...	50+	
Not mortgaged	11 940	1 732	2 438	802	769	1 351	1 370	1 939	1 105	434	15 861	19 289	1 117	
Less than 10 percent	4 303	—	10	—	97	423	674	1 625	1 058	416	30 366	33 819	8	
10 to 14 percent	2 422	—	177	227	339	706	606	302	47	18	18 250	18 927	12	
15 to 19 percent	1 369	17	407	417	234	202	80	12	—	—	11 562	12 225	17	
20 to 24 percent	831	15	603	108	79	20	6	—	—	—	8 403	8 859	24	
25 to 29 percent	776	123	592	44	17	—	—	—	—	—	6 8			

Table A—4. Income and Poverty Status in 1979 of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

The SMSA

	Household income in 1979													Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)		
	Renter-occupied housing units	8 577	2 561	1 722	799	591	1 206	817	702	152	27	10 017	12 127	2 374
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>														
Married-couple families	2 940	303	481	315	257	577	480	432	75	20	16 000	16 634	419	
15 to 24 years	839	106	127	128	103	158	120	85	12	—	13 920	14 721	121	
25 to 34 years	1 019	72	148	110	82	243	153	170	34	7	16 806	17 285	152	
35 to 44 years	344	26	29	32	32	77	100	33	15	—	18 333	18 240	45	
45 to 64 years	548	64	79	22	35	83	94	144	14	13	19 451	19 799	77	
65 years and over	190	35	98	23	5	16	13	—	—	—	8 492	9 551	24	
Male householder, no wife present	1 960	533	301	150	160	354	207	202	46	7	12 433	13 569	350	
15 to 24 years	388	76	52	66	40	68	35	36	15	—	12 500	13 545	61	
25 to 34 years	666	132	115	35	79	136	79	66	22	2	14 114	15 133	108	
35 to 44 years	293	50	28	26	15	83	46	37	3	5	16 910	16 366	45	
45 to 64 years	335	110	32	15	26	54	47	45	6	—	13 510	13 629	65	
65 years and over	278	165	74	8	—	13	—	—	—	—	4 522	6 836	71	
Female householder, no husband present	3 677	1 725	940	334	174	275	130	68	31	—	5 472	7 756	1 605	
15 to 24 years	844	343	211	139	55	41	27	22	6	—	6 593	8 074	397	
25 to 34 years	827	269	266	55	48	128	49	2	10	—	7 216	9 272	373	
35 to 44 years	435	139	155	33	19	44	26	13	6	—	7 639	9 582	185	
45 to 64 years	507	305	48	51	30	44	17	5	7	—	4 393	7 188	269	
65 years and over	1 064	669	260	56	22	18	11	26	2	—	4 432	5 848	381	
Median age	33.2	48.2	33.1	27.7	28.3	29.8	32.4	33.1	31.6	39.5	—	—	—	34.5
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>														
1979 to March 1980	3 966	1 100	851	420	325	566	356	273	68	7	10 190	11 934	1 154	
1975 to 1978	2 923	890	570	264	202	423	281	207	66	20	10 014	12 235	758	
1970 to 1974	904	345	166	49	46	80	114	98	6	—	7 388	11 476	296	
1960 to 1969	475	123	91	25	8	103	41	78	6	—	12 350	13 910	106	
1959 or earlier	309	103	44	41	10	34	25	46	6	—	10 457	12 763	60	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>														
Complete plumbing for exclusive use	8 301	2 448	1 647	769	584	1 170	809	701	146	27	10 180	12 246	2 276	
0.50 or less	5 414	1 818	1 014	495	374	664	493	443	95	18	9 240	11 644	1 363	
0.51 to 1.00	2 691	621	574	245	185	461	301	244	51	9	11 536	13 351	860	
1.01 to 1.50	155	9	48	18	25	40	3	12	—	—	12 750	13 505	53	
1.51 or more	41	—	11	11	—	5	12	2	—	—	12 159	14 466	—	
Lacking complete plumbing for exclusive use	276	113	75	30	7	36	8	1	6	—	7 500	8 556	98	
0.50 or less	148	68	48	12	—	12	8	—	—	—	5 789	7 514	55	
0.51 to 1.00	89	35	27	1	7	19	—	—	—	—	7 917	7 930	33	
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	
1.51 or more	39	10	—	17	—	5	—	1	6	—	11 397	13 936	10	
<b>SELECTED CHARACTERISTICS</b>														
Heating equipment	8 569	2 557	1 718	799	591	1 206	817	702	152	27	10 030	12 133	2 366	
Central heating system	7 582	2 227	1 506	685	556	1 080	743	631	127	27	10 212	12 263	2 042	
Air conditioning	2 856	631	467	302	217	436	339	395	54	15	12 823	14 410	424	
Central system	1 173	237	188	151	93	163	116	180	37	8	12 782	15 074	192	
Vehicles available	6 987	1 479	1 434	709	554	1 130	810	694	150	27	12 047	13 673	1 484	
1	4 565	1 309	1 111	487	356	665	363	235	37	2	9 276	11 016	1 232	
2 or more	2 422	170	323	222	198	465	447	459	113	25	18 193	18 681	252	
House heating fuel	8 569	2 557	1 718	799	591	1 206	817	702	152	27	10 030	12 133	2 366	
Utility gas	6 856	2 067	1 346	645	449	953	651	590	135	20	10 058	12 204	1 920	
Bottled, tank, or LP gas	189	68	51	16	11	15	16	12	—	—	8 144	10 454	70	
Electricity	864	219	200	94	70	144	88	43	4	2	10 346	11 801	185	
Fuel oil, kerosene, etc.	495	147	78	29	52	69	48	54	13	5	11 940	13 433	142	
Other	165	56	43	15	9	25	14	3	—	—	7 454	8 948	49	
Median rooms	4.0	3.4	4.1	4.0	4.3	4.2	4.6	4.5	4.8	5.8	—	—	3.9	
Specified renter-occupied housing units	8 209	2 462	1 669	747	571	1 142	782	662	152	22	9 910	12 080	2 278	
<b>CONTRACT RENT</b>														
Less than \$100	923	681	126	23	11	25	13	44	—	—	4 091	5 966	473	
\$100 to \$149	1 090	383	299	94	60	101	66	68	19	—	7 686	9 918	318	
\$150 to \$199	2 291	615	552	275	153	337	196	112	49	2	9 797	11 615	625	
\$200 to \$249	2 179	485	395	243	194	396	227	194	45	—	12 155	13 163	564	
\$250 to \$299	1 019	173	158	72	81	196	168	134	24	13	15 724	16 059	196	
\$300 to \$349	202	18	41	7	25	18	40	41	7	5	17 083	18 447	29	
\$350 to \$399	84	12	13	—	—	32	12	15	—	—	16 518	15 638	12	
\$400 to \$499	8	—	—	—	—	8	—	—	—	—	23 750	23 010	—	
\$500 or more	9	—	—	—	—	5	—	2	2	2	22 250	61 723	—	
No cash rent	404	95	85	33	47	37	47	54	6	2	11 667	13 402	61	
Median	\$187	\$157	\$178	\$191	\$208	\$208	\$214	\$215	\$207	\$283	—	—	\$169	
<b>GROSS RENT</b>														
Less than \$100	684	571	81	—	6	8	18	—	—	—	3 886	4 654	382	
\$100 to \$149	593	232	181	48	18	72	14	28	—	—	6 875	8 779	153	
\$150 to \$199	1 468	526	325	151	103	154	88	92	29	—	8 088	10 224	429	
\$200 to \$249	2 055	532	405	228	178	312	202	154	44	—	10 992	12 240	554	
\$250 to \$299	1 525	267	320	178	110	265	194	148	36	7	12 465	14 168	338	
\$300 to \$349	897	171	184	64	78	170	125	79	24	2	13 446	14 777	226	
\$350 to \$399	374	48	61	35	32	74	71	36	11	6	15 519	16 188	108	
\$400 to \$499	179	20	22	10	5	52	12	53	—	5	17 390	18 562	27	
\$500 or more	30	—	5	—	—	—	21	—	2	2	21 923	32 045	—	
No cash rent	404	95	85	33	47	37	47	54	6	11 667	13 402	61		
Median	\$227	\$181	\$224	\$232	\$242	\$251	\$265	\$253	\$250	\$367	—	—	\$210	
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>														
Less than 15 percent	1 474	22	23	42	39	304	394	484	144	22	23 202	24 807	21	
15 to 19 percent	1 221	58	110	90	144	420	273	124	2	—	17 597	17 198	27	
20 to 24 percent	1 027	231	159	178	189	223	47	—	—	—	11 735	11 055	155	
25 to 29 percent	820	180	201	228	94	109	8	—	—	—	10 318	9 724	134	
30 to 34 percent	477	77	215	88	53	44	—	—	—	—	9 184	9 336	69	
35 to 49 percent	819	203	512	81	5	13	—	—	—	—	6 704	7 017	224	
50 percent or more	1 830	1 459	364	7	—	—	—	—	—	—	3 618	3 658	1 450	
Not computed	541	232	85	33	47	37	47	54	6	—	6 552	9 943	198	
Median	25.7	50+	37.1	26.0	22.1	18.0	14.6	11.9	10—	10—	—	—	—	50+

Table A—5. Selected Monthly Owner Costs for Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

## The SMSA

## Specified owner-occupied housing units -----

	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
PERSONS IN UNIT	14 423	400	1 450	2 263	2 873	2 408	2 890	1 181	619	339	355
1 person -----	913	80	192	149	131	116	132	69	44	—	314
2 persons -----	2 722	121	300	449	542	421	545	217	75	52	345
3 persons -----	2 833	84	241	536	590	460	581	165	134	42	347
4 persons -----	4 148	75	359	625	805	721	876	382	173	132	365
5 persons -----	2 419	40	224	368	528	424	439	220	104	72	356
6 persons -----	894	—	105	76	201	155	190	83	55	29	371
7 persons -----	343	—	17	48	48	80	81	41	21	7	387
8 or more persons -----	151	—	12	12	28	31	46	4	13	5	388
Median -----	3.68	2.49	3.47	3.50	3.72	3.79	3.71	3.87	3.83	4.07	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER											
Married-couple families -----	12 175	235	1 079	1 877	2 457	2 109	2 469	1 070	542	337	360
15 to 24 years -----	686	16	92	138	116	133	111	62	14	4	342
25 to 34 years -----	4 375	63	368	530	879	841	1 044	414	172	64	371
35 to 44 years -----	3 618	41	301	565	632	628	710	360	197	184	371
45 to 64 years -----	3 266	81	293	581	774	496	584	222	150	85	344
65 years and over -----	230	34	25	63	56	11	20	12	9	—	294
Male householder, no wife present -----	922	43	147	180	138	149	168	47	50	—	333
15 to 24 years -----	131	—	16	41	12	27	15	15	5	—	335
25 to 34 years -----	380	6	55	89	60	59	75	22	14	—	333
35 to 44 years -----	188	7	42	13	30	28	37	5	26	—	354
45 to 64 years -----	195	18	28	37	32	29	41	5	5	—	323
65 years and over -----	28	12	6	—	4	6	—	—	—	—	217
Female householder, no husband present -----	1 326	122	224	206	278	150	253	64	27	2	320
15 to 24 years -----	53	—	5	—	37	7	4	—	—	—	379
25 to 34 years -----	421	12	64	85	106	32	110	6	4	2	323
35 to 44 years -----	330	16	39	62	93	17	79	16	8	—	326
45 to 64 years -----	358	37	71	51	68	52	49	24	6	—	315
65 years and over -----	164	57	45	8	11	12	8	14	9	—	228
Median age -----	37.5	51.7	38.2	39.1	38.0	35.9	35.8	36.6	39.9	40.4	...
YEAR HOUSEHOLDER MOVED INTO UNIT											
1979 to March 1980 -----	1 840	34	89	148	183	309	507	262	196	112	428
1975 to 1978 -----	5 473	74	453	738	942	958	1 360	535	260	153	378
1970 to 1974 -----	3 332	78	381	467	833	686	560	210	74	43	344
1960 to 1969 -----	2 792	99	391	640	711	383	344	124	79	21	319
1959 or earlier -----	986	115	136	270	204	72	119	50	10	10	295
ROOMS											
1 to 3 rooms -----	123	8	41	30	17	—	22	5	—	—	271
4 rooms -----	1 023	87	242	221	197	106	108	55	7	—	291
5 rooms -----	3 777	142	476	784	861	608	627	171	56	52	328
6 rooms -----	4 151	124	363	683	882	797	841	253	177	31	351
7 rooms -----	2 835	33	241	356	572	505	643	330	108	47	371
8 or more rooms -----	2 514	6	87	189	344	392	649	367	271	209	433
Median -----	6.1	5.2	5.4	5.6	5.9	6.1	6.3	6.8	7.1	7.9	...
YEAR STRUCTURE BUILT											
1975 to March 1980 -----	1 707	38	42	52	137	260	559	315	212	92	459
1970 to 1974 -----	1 823	13	102	137	405	350	449	222	84	61	386
1960 to 1969 -----	2 760	18	165	404	673	551	489	254	114	92	361
1950 to 1959 -----	2 597	96	331	529	495	406	465	132	106	37	335
1940 to 1949 -----	1 520	70	247	282	256	236	299	78	33	19	331
1939 or earlier -----	4 016	165	563	859	907	605	629	180	70	38	323
VALUE											
Less than \$10,000 -----	206	46	98	52	10	—	—	—	—	—	229
\$10,000 to \$19,999 -----	1 180	117	406	258	256	97	41	5	—	—	263
\$20,000 to \$29,999 -----	2 666	134	406	739	681	418	258	28	2	—	304
\$30,000 to \$39,999 -----	2 981	45	326	583	773	547	576	98	17	16	335
\$40,000 to \$49,999 -----	2 807	36	174	371	582	660	681	240	54	9	368
\$50,000 to \$59,999 -----	1 849	16	19	188	330	384	580	241	89	2	398
\$60,000 to \$79,999 -----	1 878	6	21	65	200	261	590	403	265	67	463
\$80,000 to \$99,999 -----	581	—	—	7	37	41	131	132	129	104	556
\$100,000 to \$149,999 -----	229	—	—	4	—	33	34	57	101	714	—
\$150,000 or more -----	46	—	—	—	—	—	6	40	750+	—	...
Median -----	\$40 600	\$23 000	\$24 500	\$31 400	\$36 000	\$42 500	\$48 000	\$59 100	\$70 300	\$90 500	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979											
Less than 15 percent -----	4 623	219	798	967	1 113	612	638	157	42	77	315
15 to 19 percent -----	3 759	52	250	709	870	642	806	287	89	54	350
20 to 24 percent -----	2 537	38	82	215	390	601	664	277	208	62	395
25 to 29 percent -----	1 354	6	94	107	211	191	332	216	145	52	422
30 to 34 percent -----	605	6	23	67	74	106	156	58	65	50	415
35 percent or more -----	1 494	72	195	184	213	250	285	179	70	44	366
Not computed -----	51	5	8	14	2	6	9	7	—	—	295
Median -----	18.4	14.1	14.2	16.1	16.9	19.6	20.0	22.6	24.3	23.1	...
SELECTED CHARACTERISTICS											
Heating equipment -----	14 416	400	1 450	2 256	2 873	2 408	2 890	1 181	619	339	355
Steam or hot water system -----	1 917	10	62	203	396	330	409	292	140	75	394
Central warm-air furnace or electric heat pump -----	11 139	250	1 088	1 820	2 251	1 945	2 235	851	454	245	354
Other built-in electric units -----	243	—	25	35	46	14	84	22	5	12	401
Floor, wall, or pipeless furnace -----	328	55	108	57	54	12	29	—	6	7	251
Other means -----	789	85	167	141	126	107	133	16	14	—	301
Air conditioning -----	3 762	70	336	565	793	666	727	263	192	150	359
Central system -----	899	6	26	62	138	120	229	104	104	110	437
1 or more individual room units -----	2 863	64	310	503	655	546	498	159	88	40	342
House heating fuel -----	14 416	400	1 450	2 256	2 873	2 408	2 890	1 181	619	339	355
Utility gas -----	11 822	355	1 238	1 968	2 398	1 938	2 208	953	496	268	349
Bottled, tank, or LP gas -----	458	9	45	33	61	75	114	66	48	7	404
Electricity -----	296	4	34	41	55	15	94	25	5	23	397
Fuel oil, kerosene, etc. -----	1 584	24	104	172	325	324	400	132	62	41	376
Other -----	256	8	29	42	34	56	74	5	8	—	363

Table A—6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
Specified owner-occupied housing units -----	11 940	—	97	546	1 520	2 376	4 592	1 984	825	166
<b>PERSONS IN UNIT</b>										
1 person -----	2 989	—	59	295	628	795	890	268	54	141
2 persons -----	4 836	—	23	161	608	1 017	2 045	670	312	165
3 persons -----	1 735	—	14	60	122	278	760	341	160	176
4 persons -----	1 224	—	—	30	108	125	476	369	116	187
5 persons -----	635	—	—	—	36	80	260	186	73	189
6 persons -----	314	—	1	—	11	48	100	85	69	198
7 persons -----	152	—	—	—	7	26	39	43	37	205
8 or more persons -----	55	—	—	—	—	7	22	4	4	197
Median -----	2.12	—	1.32	1.43	1.72	1.89	2.19	2.66	2.79	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>										
Married-couple families -----	7 555	—	21	202	632	1 377	3 166	1 486	671	174
15 to 24 years -----	49	—	—	16	—	21	7	—	5	135
25 to 34 years -----	347	—	7	14	19	96	130	64	17	164
35 to 44 years -----	826	—	1	6	36	126	291	250	116	192
45 to 64 years -----	3 961	—	—	61	333	563	1 723	872	409	180
65 years and over -----	2 372	—	13	105	244	571	1 015	300	124	162
Male householder, no wife present -----	946	—	30	110	185	186	301	103	31	145
15 to 24 years -----	25	—	—	4	5	—	16	—	—	161
25 to 34 years -----	55	—	—	16	12	—	21	6	—	124
35 to 44 years -----	58	—	13	2	8	6	29	—	—	150
45 to 64 years -----	329	—	8	44	63	57	101	36	20	147
65 years and over -----	479	—	9	44	97	123	134	61	11	143
Female householder, no husband present -----	3 439	—	46	234	703	813	1 125	395	123	148
15 to 24 years -----	36	—	3	3	—	2	21	7	—	174
25 to 34 years -----	100	—	—	2	36	27	20	15	136	—
35 to 44 years -----	102	—	3	4	12	4	23	31	25	208
45 to 64 years -----	1 102	—	11	53	158	243	433	163	41	160
65 years and over -----	2 099	—	29	172	497	537	628	179	57	141
Median age -----	62.1	—	67.5	67.6	66.8	65.5	61.8	57.3	56.2	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>										
1979 to March 1980 -----	331	—	3	32	65	54	113	41	23	155
1975 to 1978 -----	907	—	33	65	118	134	345	156	56	165
1970 to 1974 -----	1 057	—	—	58	119	227	340	215	98	168
1960 to 1969 -----	2 630	—	22	96	286	418	912	609	287	177
1959 or earlier -----	7 015	—	39	295	932	1 543	2 882	963	361	162
<b>ROOMS</b>										
1 to 3 rooms -----	177	—	18	46	68	29	14	2	—	109
4 rooms -----	1 761	—	24	182	417	510	526	73	29	138
5 rooms -----	3 992	—	19	199	506	784	1 699	614	171	164
6 rooms -----	3 225	—	28	84	322	621	1 284	635	251	172
7 rooms -----	1 595	—	8	25	149	309	610	331	163	175
8 or more rooms -----	1 190	—	—	10	58	123	459	329	211	194
Median -----	5.5	—	4.8	4.7	5.0	5.3	5.5	6.0	6.3	...
<b>YEAR STRUCTURE BUILT</b>										
1975 to March 1980 -----	243	—	13	19	35	19	100	38	19	168
1970 to 1974 -----	469	—	7	25	28	95	134	126	54	180
1960 to 1969 -----	1 353	—	12	32	105	159	494	367	184	187
1950 to 1959 -----	2 827	—	15	102	204	404	1 187	632	283	179
1940 to 1949 -----	2 014	—	6	104	261	409	917	244	73	162
1939 or earlier -----	5 034	—	44	264	887	1 290	1 760	577	212	151
<b>VALUE</b>										
Less than \$10,000 -----	422	—	27	72	157	128	16	22	—	118
\$10,000 to \$19,999 -----	2 056	—	41	216	503	604	540	119	33	136
\$20,000 to \$29,999 -----	3 092	—	12	143	536	811	1 275	241	74	152
\$30,000 to \$39,999 -----	2 688	—	17	87	206	471	1 301	444	162	172
\$40,000 to \$49,999 -----	1 657	—	—	14	84	230	806	423	100	181
\$50,000 to \$59,999 -----	949	—	—	9	12	109	365	327	127	197
\$60,000 to \$79,999 -----	730	—	—	5	17	16	242	321	129	213
\$80,000 to \$99,999 -----	207	—	—	—	—	7	39	71	90	240
\$100,000 to \$149,999 -----	105	—	—	—	—	—	8	16	81	250+
\$150,000 or more -----	34	—	—	—	—	—	—	—	29	250+
Median -----	\$31 200	—	\$16 600	\$19 400	\$21 400	\$24 800	\$33 000	\$44 000	\$52 300	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>										
Less than 10 percent -----	4 303	—	11	180	515	820	1 710	806	261	168
10 to 14 percent -----	2 422	—	13	139	239	387	881	511	252	175
15 to 19 percent -----	1 369	—	17	59	157	283	553	173	127	165
20 to 24 percent -----	831	—	7	26	146	217	303	84	48	153
25 to 29 percent -----	776	—	16	20	132	200	318	58	32	153
30 to 34 percent -----	445	—	—	54	68	86	161	68	8	155
35 percent or more -----	1 707	—	25	56	255	383	637	270	81	161
Not computed -----	87	—	8	12	8	—	29	14	16	177
Median -----	13.4	—	22.5	13.1	15.1	14.8	13.2	11.8	12.8	...
<b>SELECTED CHARACTERISTICS</b>										
Heating equipment -----	11 940	—	97	546	1 520	2 376	4 592	1 984	825	166
Steam or hot water system -----	1 773	—	—	29	129	234	687	419	275	186
Central warm-air furnace or electric heat pump -----	8 755	—	35	302	1 011	1 822	3 580	1 475	530	167
Other built-in electric units -----	69	—	—	9	12	8	25	13	2	161
Floor, wall, or pipeless furnace -----	449	—	7	93	145	83	90	20	11	121
Other means -----	894	—	55	113	223	229	210	57	7	131
Air conditioning -----	3 078	—	—	84	309	476	1 252	664	293	177
Central system -----	753	—	—	14	13	94	290	210	132	194
1 or more individual room units -----	2 325	—	—	70	296	382	962	454	161	172
House heating fuel -----	11 940	—	97	546	1 520	2 376	4 592	1 984	825	166
Utility gas -----	10 216	—	76	497	1 324	2 112	3 942	1 587	678	164
Bottled, tank, or LP gas -----	181	—	1	4	29	13	65	30	39	183
Electricity -----	95	—	—	—	12	17	16	25	2	155
Fuel oil, kerosene, etc. -----	1 312	—	5	31	120	195	530	327	104	179
Other -----	136	—	15	2	30	40	30	17	2	138

Table A-7. Year Structure Built for Owner- and Renter-Occupied Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B)

The SMSA

	Owner-occupied housing units						Renter-occupied housing units					
	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier
Occupied housing units	32 771	3 034	3 509	5 067	10 022	11 139	8 577	1 090	1 487	1 272	1 855	2 873
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families	23 996	2 480	2 844	4 111	7 476	7 085	2 940	186	495	451	828	980
15 to 24 years	1 030	177	222	105	275	251	839	58	119	162	280	220
25 to 34 years	5 632	1 120	945	833	1 422	1 312	1 019	42	173	120	303	381
35 to 44 years	5 188	643	776	1 208	1 281	1 280	344	36	52	62	109	85
45 to 64 years	8 932	481	700	1 635	3 459	2 657	548	39	110	67	122	210
65 years and over	3 214	59	201	330	1 039	1 585	190	11	41	40	14	84
Male householder, no wife present	2 801	235	264	428	693	1 181	1 960	222	328	226	369	815
15 to 24 years	253	51	37	57	44	64	388	40	76	35	115	122
25 to 34 years	681	98	87	103	142	251	666	78	94	85	126	283
35 to 44 years	375	36	80	100	65	94	293	13	45	46	32	157
45 to 64 years	778	48	49	83	248	350	335	28	50	25	69	183
65 years and over	714	2	11	85	194	422	278	63	35	27	90	90
Female householder, no husband present	5 974	319	401	528	1 853	2 873	3 677	682	664	595	658	1 078
15 to 24 years	140	22	30	10	40	38	844	107	107	99	268	263
25 to 34 years	650	83	103	57	188	219	827	134	179	116	180	218
35 to 44 years	546	73	64	70	177	162	435	29	85	62	70	189
45 to 64 years	1 842	107	132	192	644	767	507	80	93	101	56	177
65 years and over	2 796	34	72	199	804	1 687	1 064	332	200	217	84	231
Median age	48.5	34.7	37.8	44.9	52.3	55.9	33.2	47.7	34.8	35.8	28.1	34.3
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980	3 029	891	425	362	702	649	3 966	587	728	526	881	1 244
1975 to 1978	8 242	2 143	1 129	1 156	1 832	1 982	2 923	503	543	435	633	809
1970 to 1974	5 385	—	1 955	847	1 298	1 285	904	—	216	188	146	354
1960 to 1969	6 319	—	—	2 702	1 700	1 917	475	—	—	123	117	235
1959 or earlier	9 796	—	—	—	4 490	5 306	309	—	—	—	78	231
ROOMS												
1 room	45	10	4	—	27	4	197	13	42	13	38	91
2 rooms	59	4	19	10	24	2	788	198	197	95	84	214
3 rooms	461	46	26	63	153	173	1 994	425	312	283	389	585
4 rooms	4 373	392	651	645	1 584	1 101	2 399	289	526	500	433	651
5 rooms	9 536	892	1 184	1 695	3 427	2 338	1 628	117	276	228	471	536
6 rooms	8 699	746	798	1 325	2 814	3 016	920	27	97	74	299	423
7 or more rooms	9 598	944	827	1 329	1 993	4 505	651	21	37	79	141	373
Median	5.7	5.7	5.4	5.6	5.4	6.1	4.0	3.3	3.9	4.0	4.5	4.3
PLUMBING FACILITIES BY PERSONS PER ROOM												
Complete plumbing for exclusive use	32 453	3 017	3 494	5 029	9 929	10 984	8 301	1 068	1 480	1 250	1 754	2 749
0.50 or less	19 072	1 448	1 615	2 464	5 880	7 665	5 414	861	873	783	1 059	1 838
0.51 to 1.00	12 580	1 498	1 743	2 370	3 845	3 124	2 691	203	575	436	639	838
1.01 to 1.50	702	67	121	160	174	180	155	4	32	31	39	49
1.51 or more	99	4	15	35	30	15	41	—	—	—	17	24
Locking complete plumbing for exclusive use	318	17	15	38	93	155	276	22	7	22	101	124
0.50 or less	212	7	3	15	63	124	148	11	7	11	59	60
0.51 to 1.00	73	—	10	8	24	31	89	11	—	5	27	46
1.01 to 1.50	2	2	—	—	—	—	—	—	—	—	—	—
1.51 or more	31	8	2	15	6	—	39	—	—	6	15	18
PERSONS IN UNIT												
1 person	5 221	290	355	520	1 483	2 573	3 520	702	608	538	539	1 133
2 persons	9 595	847	872	1 191	3 367	3 518	2 424	237	424	353	621	789
3 persons	5 751	621	611	1 023	1 855	1 641	1 236	81	195	192	291	477
4 persons	6 317	876	880	1 218	1 838	1 505	770	38	175	71	250	236
5 persons	3 566	399	483	631	898	1 155	353	25	43	61	106	118
6 or more persons	2 321	201	308	484	581	747	274	7	42	57	48	120
Median	2.77	3.43	3.36	3.30	2.59	2.35	1.82	1.28	1.82	1.78	2.13	1.88
Total persons	100 664	10 565	12 110	17 175	29 404	31 410	18 146	1 658	3 179	2 659	4 268	6 382
UNITS IN STRUCTURE												
1, detached or attached	29 960	2 390	2 675	4 600	9 811	10 484	2 863	132	296	367	1 024	1 044
2	584	31	8	27	59	459	1 258	21	68	110	351	708
3 and 4	265	44	26	26	45	124	1 221	32	84	163	272	670
5 to 9	95	8	13	14	16	44	992	106	372	129	131	254
10 to 49	48	2	12	20	8	6	1 151	310	401	232	42	166
50 or more	12	—	—	6	6	—	847	445	193	157	32	20
Mobile home or trailer, etc.	1 807	559	775	374	77	22	245	44	73	114	3	11
SELECTED CHARACTERISTICS												
Hearing equipment	32 760	3 034	3 509	5 067	10 020	11 130	8 569	1 090	1 487	1 272	1 851	2 869
Steam or hot water system	4 443	312	400	871	1 310	1 550	1 775	311	192	349	253	670
Central warm-air furnace or electric heat pump	24 475	2 441	2 644	3 808	7 554	8 028	5 023	628	1 094	691	1 085	1 525
Other built-in electric units	430	102	164	62	73	29	378	97	131	79	50	21
Floor, wall, or pipeless furnace	937	27	70	46	401	393	406	5	29	22	176	174
Other means	2 475	152	231	280	682	1 130	987	49	41	131	287	479
Air conditioning	8 377	662	925	1 207	2 910	2 673	2 856	620	957	540	357	382
Central system	2 214	408	435	400	622	349	1 173	330	670	109	32	32
1 or more individual room units	6 163	254	490	807	2 288	2 324	1 683	290	287	431	325	350
House heating fuel	32 760	3 034	3 509	5 067	10 020	11 130	8 569	1 090	1 487	1 272	1 851	2 869
Utility gas	25 820	1 966	2 405	4 022	8 265	9 162	6 856	863	1 063	972	1 509	2 449
Bottled, tank, or LP gas	1 189	331	249	192	195	222	189	25	28	27	14	95
Electricity	677	174	275	106	82	40	864	169	356	150	107	82
Fuel oil, kerosene, etc.	4 391	464	471	607	1 336	1 513	495	24	40	93	175	163
Other	683	99	109	140	142	193	165	9	—	30	46	80
Income in 1979 below poverty level	2 310	130	215	318	597	1 050	2 374	325	457	317	421	854
Percent below poverty level	7.0	4.3	6.1	6.3	6.0	9.4	27.7	29.8	30.7	24.9	22.7	29.7
HOUSEHOLD INCOME IN 1979												
Less than \$5,000	2 892	120	194	346	723	1 509	2 561	441	481	321	414	904
\$5,000 to \$9,999	4 177	209	318	391	1 236	2 023	1 722	199	274	299	339	611
\$10,000 to \$12,499	1 834	125	161	269	549	730	799	90	151	130	173	255
\$12,500 to \$14,999	1 804	94	172	213	640	685	591	62	100	94	126	209
\$15,000 to \$19,999	4 325	492	512	615	1 300	1 406	1 206	109	194	177	317	409
\$20,000 to \$24,999	5 293	572	632	787	1 655	1 647	817	108	123	113	255	218
\$25,000 to \$34,999	7 170	901	820	1 314	2 141	1 994	702	53	148	121	157	223
\$35,000 to \$49,999	3 850	364	471	813	1 335	867	152	22	12	12	62	44
\$50,000 or more	1 426	157	229	319	443	278	27	6	4	5	12	—
Median	\$21 232	\$24 031	\$23 353	\$24 478	\$21 554	\$17 536	\$10 017	\$6 711	\$9 688	\$10 308	\$12 530	\$9 346
Mean	\$22 774	\$25 863	\$25 429	\$26 309	\$23 444	\$18 886	\$12 127	\$10 720	\$12 308	\$12 299	\$13 987	\$11 292

Table A—8. Units in Structure for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8]

The SMSA

	Owner-occupied housing units				Renter-occupied housing units								
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units		5 to 9 units		10 to 49 units	
Occupied housing units													
Condominium housing units													
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families													
15 to 24 years	32 771	29 960	1 004	1 807	8 577	2 863	1 258	1 221	992	1 151	847	245	
25 to 34 years	175	103	72	—	182	44	5	16	66	43	8	—	
35 to 44 years	23 996	22 419	525	1 052	2 940	1 476	461	342	238	270	53	100	
45 to 64 years	5 632	5 116	143	250	839	333	144	159	76	69	8	50	
65 years and over	5 188	4 982	68	138	1 019	532	202	97	62	97	5	24	
Male householder, no wife present	8 932	8 528	218	186	3 025	344	250	15	11	23	31	14	
15 to 24 years	3 214	3 025	84	105	190	297	70	58	62	30	19	12	
25 to 34 years	253	162	6	85	388	106	54	47	85	72	11	—	
35 to 44 years	681	479	99	103	666	189	88	122	98	123	37	9	
45 to 64 years	375	285	35	55	293	52	35	78	37	58	18	15	
65 years and over	778	649	43	86	335	96	7	116	53	49	14	—	
Female householder, no husband present	714	666	24	24	278	49	42	22	9	47	99	10	
15 to 24 years	5 974	5 300	272	402	3 677	895	571	494	472	532	615	98	
25 to 34 years	140	89	5	46	844	184	206	156	173	93	6	26	
35 to 44 years	650	526	20	104	827	231	137	126	109	168	40	—	
45 to 64 years	546	466	20	60	435	181	95	42	45	48	11	13	
65 years and over	1 842	1 634	75	133	507	123	80	107	56	55	73	13	
Median age	2 796	2 585	152	59	1 064	176	53	63	89	168	509	6	
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>	48.5	49.1	50.9	33.6	33.2	33.1	28.9	31.1	29.7	31.9	71.2	27.8	
1979 to March 1980	3 029	2 425	78	526	3 966	1 220	610	642	451	630	282	131	
1975 to 1978	8 242	7 089	289	864	2 923	964	343	342	385	384	413	92	
1970 to 1974	5 385	4 930	154	301	904	267	163	132	113	81	136	12	
1960 to 1969	6 319	6 066	152	101	475	189	117	68	38	37	16	10	
1959 or earlier	9 796	9 430	331	15	309	223	25	37	5	19	—	—	
<b>ROOMS</b>													
1 room	45	28	4	13	197	8	3	40	59	74	13	—	
2 rooms	59	36	14	9	788	23	35	129	136	126	325	14	
3 rooms	461	349	64	48	1 994	196	272	492	288	317	413	16	
4 rooms	4 373	3 189	221	963	2 399	599	430	363	349	449	89	120	
5 rooms	9 536	8 673	283	580	1 628	871	310	131	130	109	7	70	
6 rooms	8 699	8 370	192	137	920	651	129	44	17	55	—	24	
7 or more rooms	9 598	9 315	226	57	651	515	79	22	13	21	—	1	
Median	5.7	5.8	5.2	4.4	4.0	5.2	4.2	3.4	3.5	3.6	2.7	4.3	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
Complete plumbing for exclusive use	32 453	29 721	943	1 789	8 301	2 823	1 199	1 124	950	1 120	841	244	
0.50 or less	19 072	17 441	645	986	5 414	1 538	750	767	623	825	781	130	
0.51 to 1.00	12 580	11 589	255	736	2 691	1 162	426	347	301	283	58	114	
1.01 to 1.50	702	606	35	61	155	104	20	5	12	12	2	—	
1.51 or more	99	85	8	6	41	19	3	5	14	—	—	—	
Lacking complete plumbing for exclusive use	318	239	61	18	276	40	59	97	42	31	6	1	
0.50 or less	212	162	50	—	148	29	41	41	25	5	6	1	
0.51 to 1.00	73	46	11	16	89	4	13	33	14	25	—	—	
1.01 to 1.50	2	2	—	—	—	—	—	—	—	—	—	—	
1.51 or more	31	29	—	2	39	7	5	23	3	1	—	—	
<b>BEDROOMS</b>													
Note	50	33	4	13	279	8	12	73	86	87	13	—	
1	1 019	781	144	94	3 149	338	416	695	427	481	765	27	
2	9 072	7 430	415	1 227	3 354	1 122	678	384	420	526	69	155	
3	16 478	15 711	310	457	1 372	1 018	127	52	59	53	—	63	
4	5 103	5 017	70	16	360	314	25	17	—	4	—	—	
5 or more	1 049	988	61	—	63	63	—	—	—	—	—	—	
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000	2 892	2 523	153	216	2 561	605	369	418	273	261	545	90	
\$5,000 to \$9,999	4 177	3 686	138	353	1 722	616	281	222	168	225	169	41	
\$10,000 to \$12,499	1 834	1 557	74	203	799	236	111	142	109	130	37	34	
\$12,500 to \$14,999	1 804	1 659	46	99	591	210	85	83	71	98	18	26	
\$15,000 to \$19,999	4 325	3 851	87	387	1 206	457	157	160	196	185	35	16	
\$20,000 to \$24,999	5 293	4 881	160	252	817	363	115	112	87	95	20	25	
\$25,000 to \$34,999	7 170	6 763	188	219	702	293	103	76	75	128	17	10	
\$35,000 to \$49,999	3 850	3 661	127	62	152	71	35	8	13	16	6	3	
\$50,000 or more	1 426	1 379	31	16	27	12	2	—	13	—	—	—	
Mean	21 232	\$21 677	\$20 130	\$15 360	\$10 017	\$12 230	\$9 713	\$9 424	\$11 261	\$11 721	\$4 362	\$8 882	
<b>SELECTED CHARACTERISTICS</b>	\$22 774	\$23 267	\$20 504	\$15 866	\$12 127	\$13 929	\$12 248	\$10 776	\$12 365	\$13 398	\$6 216	\$10 690	
Hearing equipment	32 760	29 949	1 004	1 807	8 569	2 859	1 254	1 221	992	1 151	847	245	
Steam or hot water system	4 443	4 210	223	10	1 775	177	235	288	214	353	508	—	
Central warm-air furnace or electric heat pump	24 475	22 297	615	1 563	5 023	1 928	729	607	676	662	239	162	
Other built-in electric units	430	385	17	28	378	83	28	62	48	81	65	11	
Floor, wall, or pipeless furnace	937	869	17	51	406	219	87	48	26	6	7	13	
Other means	2 475	2 188	132	155	987	452	175	216	28	49	8	59	
Air conditioning	8 377	7 525	378	474	2 856	536	222	179	506	895	477	41	
Central system	2 214	1 924	137	153	1 173	194	18	40	325	464	118	14	
Vehicles available	31 073	28 394	917	1 762	6 987	2 511	1 042	899	857	1 040	447	191	
1	10 722	9 462	369	891	4 565	1 298	756	640	576	783	406	106	
2 or more	20 351	18 932	548	871	2 422	1 213	286	259	281	257	41	85	
House heating fuel	32 760	29 949	1 004	1 807	8 569	2 859	1 254	1 221	992	1 151	847	245	
Utility gas	25 820	23 710	824	1 286	6 856	2 262	1 110	1 015	719	943	677	130	
Bottled, tank, or LP gas	1 189	966	19	204	189	67	25	19	17	23	6	32	
Electricity	677	554	59	64	864	141	74	103	227	171	132	16	
Fuel oil, kerosene, etc.	4 391	4 086	84	221	495	322	17	41	20	9	24	62	
Other	683	633	18	32	165	67	28	43	9	5	8	5	
Water heating fuel	32 673	29 893	989	1 791	8 555	2 848	1 258	1 215	992	1 151	847	244	
Utility gas	23 790	22 157	809	824	6 300	2 069	1 099	939	669	824	626	74	
Bottled, tank, or LP gas	1 166	1 028	12	126	217	87	35	7	31	23	—	34	
Electricity	7 484	6 482	168	834	1 984	692	124	220	287	304	221	136	
Fuel oil, kerosene, etc.	156	153	—	3	21	—	—	16	5	—	—	—	
Other	77	73	—	4	33	—	—	33	—	—	—	—	
Family householder	27 083	25 115	668	1 300	4 549	2 125	812	540	389	419	73	191	
With own children under 18 years	14 692	13 620	279	793	2 897	1 483	555	284	221	204	8	142	
With own children under 6 years	5 909	5 296	107	506	1 848	877	384	181	138	153	2	113	
Female householder, no husband present	2 362	2 087	106	169	1 461	575	319	168	145	147	18	89	
With own children under 18 years	1 169	986	54	129	1 193	493	264	127	127	97	6	79	
With own children under 6 years	313	273	5	35	622	193	155	71	73	73	—	57	
Nonfamily householder	5 688	4 845	336	507	4 028	738	446	681	603	732	774	54	
Income in 1979 below poverty level	2 310	1 962	136	212	2 374	751	398	391	220	180	335	99	
Percent below poverty level	7.0	6.5	13.5	11.7	27.7	26.2	31.6	32.0	22.2	15.6	39.6	40.4	

Table A—9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and 8]

The SMSA

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
<b>Owner-occupied housing units</b>	<b>32 771</b>	<b>5 221</b>	<b>9 595</b>	<b>5 751</b>	<b>6 317</b>	<b>3 566</b>	<b>1 495</b>	<b>590</b>	<b>236</b>	<b>2.77</b>	<b>100 664</b>
Nonrelatives present	845	—	346	219	105	92	45	22	16	2.85	2 877
<b>ROOMS</b>											
1 to 3 rooms	565	327	136	51	18	19	9	5	—	1.36	1 061
4 rooms	4 373	1 424	1 763	692	329	102	31	8	24	1.93	9 289
5 rooms	9 536	1 655	3 129	1 822	1 719	828	249	98	36	2.49	27 066
6 rooms	8 699	952	2 469	1 511	1 949	1 150	539	109	20	3.11	28 430
7 rooms	5 110	493	1 283	875	1 202	722	322	158	55	3.39	17 404
8 or more rooms	4 488	370	815	800	1 100	745	345	212	101	3.74	17 412
Median	5.7	5.0	5.4	5.7	6.1	6.2	6.4	7.0	7.2	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	32 453	5 081	9 526	5 715	6 286	3 542	1 492	590	221	2.78	100 024
1.00 or less	31 652	5 081	9 526	5 713	6 268	3 421	1 205	370	68	2.71	94 803
1.01 to 1.50	702	—	—	—	12	102	278	207	103	6.35	4 513
1.51 or more	99	—	—	2	6	19	9	13	50	7.54	708
Locking complete plumbing for exclusive use	318	140	69	36	31	24	3	—	15	1.78	640
1.00 or less	285	140	63	26	31	24	1	—	—	1.54	556
1.01 to 1.50	2	—	—	—	—	—	2	—	—	6.00	12
1.51 or more	31	—	6	10	—	—	—	—	15	3.45	72
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	29 960	4 499	8 733	5 143	5 977	3 403	1 412	570	223	2.84	92 750
2 or more	1 004	276	323	199	74	79	28	14	11	2.20	2 983
Mobile home or trailer, etc.	1 807	446	539	409	266	84	55	6	2	2.35	4 931
<b>VALUE</b>											
Specified owner-occupied housing units	26 363	3 902	7 558	4 568	5 372	3 054	1 208	495	206	2.88	81 369
Less than \$10,000	628	232	147	135	62	20	17	—	15	2.06	1 399
\$10,000 to \$19,999	3 236	958	1 027	436	425	247	93	33	17	2.14	7 728
\$20,000 to \$29,999	5 758	1 165	1 799	952	889	582	218	102	51	2.45	15 906
\$30,000 to \$39,999	5 669	693	1 784	921	1 168	674	261	148	20	2.89	17 736
\$40,000 to \$49,999	4 464	402	1 223	927	994	579	241	53	45	3.15	15 126
\$50,000 to \$59,999	2 798	223	726	517	665	432	150	65	20	3.37	9 736
\$60,000 to \$79,999	2 608	164	642	437	786	350	143	63	23	3.58	9 191
\$80,000 to \$99,999	788	57	135	161	236	120	53	13	13	3.67	2 815
\$100,000 to \$149,999	334	4	70	43	139	35	23	18	2	3.86	1 409
\$150,000 or more	80	4	5	39	8	15	9	—	—	3.29	323
Median	\$35 800	\$25 500	\$34 100	\$38 100	\$41 300	\$40 500	\$37 600	\$40 000	...	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	32 771	5 221	9 595	5 751	6 317	3 566	1 495	590	236	2.77	100 664
Median income	\$21 232	\$6 899	\$18 346	\$23 910	\$25 195	\$26 450	\$26 986	\$31 812	\$28 929	...	...
Median selected monthly owner costs as percentage of household income	16.7	29.5	15.6	14.8	16.3	15.5	14.5	13.5	13.9	...	...
With a mortgage	18.4	28.2	18.3	18.7	18.3	17.4	17.0	16.0	14.7	...	...
Not mortgaged	13.4	30.1	13.6	10—	10—	10—	10—	10—	10—	...	...
Income in 1979 below poverty level	2 310	969	523	292	236	158	81	16	35	1.86	...
Median income	\$3 418	\$3 027	\$3 559	\$3 385	\$4 402	\$5 522	\$6 726	\$10 000	\$3 826	...	...
Median selected monthly owner costs as percentage of household income	50+	50+	50+	50+	50+	50+	50+	35.0	50+	...	...
With a mortgage	50+	50+	50+	50+	50+	50+	50+	50+	50+	...	...
Not mortgaged	50+	50+	47.9	30.0	47.3	29.5	37.0	17.5	50+	...	...
Renter-occupied housing units	8 577	3 520	2 424	1 236	770	353	185	57	32	1.82	18 146
Nonrelatives present	674	—	442	140	26	32	24	5	5	2.26	1 847
<b>ROOMS</b>											
1 room	197	155	28	14	—	—	—	—	—	1.14	224
2 rooms	788	691	85	9	3	—	—	—	—	1.07	901
3 rooms	1 994	1 318	514	112	20	13	17	—	—	1.26	2 818
4 rooms	2 399	861	947	342	202	40	7	—	—	1.86	4 656
5 rooms	1 628	327	503	398	245	102	29	19	5	2.47	4 284
6 rooms	920	113	247	209	184	71	78	16	2	2.98	2 812
7 or more rooms	651	55	100	152	116	127	54	22	25	3.66	2 451
Median	4.0	3.2	4.1	4.9	5.2	5.8	6.0	6.1	7.2	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	8 301	3 365	2 351	1 208	762	346	180	57	32	1.83	17 659
1.00 or less	8 105	3 365	2 341	1 191	742	300	132	22	12	1.79	16 672
1.01 to 1.50	155	—	9	20	40	36	35	15	5	5.74	822
1.51 or more	41	—	10	8	—	6	12	—	5	4.92	165
Locking complete plumbing for exclusive use	276	155	73	28	8	7	5	—	—	1.39	487
1.00 or less	237	155	55	22	5	—	—	—	—	1.26	367
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	39	—	18	6	3	7	5	—	—	2.75	120
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	2 863	571	788	519	522	233	159	45	26	2.64	8 190
2	1 258	355	469	282	94	43	9	—	6	2.08	2 805
3 and 4	1 221	573	419	151	47	29	2	—	—	1.59	2 111
5 to 9	992	522	283	129	39	19	—	—	—	1.45	1 732
10 to 49	1 151	677	299	104	36	8	15	12	—	1.35	1 895
50 or more	847	771	68	8	—	—	—	—	—	1.05	892
Mobile home or trailer, etc.	245	51	98	43	32	21	—	—	—	2.23	521
<b>GROSS RENT</b>											
Specified renter-occupied housing units	8 209	3 446	2 301	1 179	709	329	157	56	32	1.79	17 080
Less than \$100	684	627	23	22	—	—	—	12	—	1.05	761
\$100 to \$149	593	385	122	40	14	18	14	—	—	1.27	955
\$150 to \$199	1 468	816	402	148	63	13	26	—	—	1.40	2 495
\$200 to \$249	2 055	781	738	306	142	55	20	13	—	1.83	4 143
\$250 to \$299	1 525	399	562	297	158	66	14	16	13	2.15	3 483
\$300 to \$349	897	199	214	209	176	57	36	—	6	2.67	2 377
\$350 to \$399	374	51	95	71	65	75	9	—	8	3.08	1 162
\$400 to \$449	179	14	38	30	35	26	20	11	5	3.71	727
\$500 or more	30	5	7	—	16	—	2	—	—	3.69	86
No cash rent	404	169	100	56	40	19	16	4	—	1.83	891
Median	\$227	\$185	\$235	\$257	\$286	\$303	\$294	\$255	\$325	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	8 577	3 520	2 424	1 236	770	353	185	57	32	1.82	18 146
Median income	\$10 017	\$6 330	\$12 487	\$12 004	\$14 180	\$10 988	\$15 901	\$16 250	\$10 417	...	...
Median gross rent as percentage of household income	25.7	25.9	22.6	26.7	27.0	33.5	24.6	28.2	43.8	...	...
income in 1979 below poverty level	2 374	978	611	322	222	143	66	11	21	1.84	...
Median income	\$3 455	\$3 75	\$3 334	\$3 933	\$4 206	\$6 023	\$5 556	\$6 250	\$8 125	...	...
Median gross rent as percentage of household income	50+	50+	50+	50+	50+	50+	49.6	45.0	48.1	...	...

Table A—10. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample; see introduction. For meaning of symbols, see introduction. For definitions of terms, see appendices A and 8.]

		The SMSA										The SMSA										
		Married-couple families					Male householder, no wife present					Female householder, no husband present										
Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Median age	
<b>Owner-occupied housing units</b>																						
<b>PERSONS IN UNIT</b>																						
1 person	5 221	—	1 003	267	3 389	2 710	157	415	198	466	552	66	144	75	980	2 188	65.9	459	59.6	32.5	32.9	
2 persons	9 595	417	270	520	2 192	418	23	133	91	152	83	27	153	133	507	194	22	22	24	91	77	
3 persons	5 751	406	2 047	1 932	1 649	45	2	96	54	96	52	35	172	172	65	101	35	22	24	74	79	
4 persons	6 317	166	2 047	1 928	1 428	957	—	28	40	2	5	2	131	131	102	101	16	39	33.5	178	178	
5 persons	3 566	41	2 321	1 384	1 041	745	12	—	4	23	7	64	43	12	80	14	16	47	47	149	149	
6 or more persons	2 277	2 74	2 831	2 377	1 444	2 99	2 05	1 31	1 45	1 33	1 15	1 65	3 25	31	26	29	11	11	15	15	149	149
Median	100 664	—	2 831	21 051	24 017	30 044	7 195	3 73	1 197	7 34	1 398	1 003	293	1 853	1 735	3 352	3 588	3	3	3	3	30.5
Total persons	32 771	1 030	5 632	5 188	6 932	3 214	253	681	375	778	714	140	650	546	1 842	2 796	48.5	—	—	—	32.8	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																						
Complete plumbing for exclusive use—	32 453	1 020	5 588	5 165	8 904	3 189	251	659	365	759	686	135	650	545	1 809	2 728	48.4	—	—	—	41.5	
1.01 or more persons per room—	801	10	181	328	280	25	—	7	4	6	—	5	—	6	4	—	—	—	—	—	56.3	
1.01 or more persons per room—	318	6	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1.01 or more persons per room—	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																						
Specified owner-occupied housing units	26 353	735	4 722	4 444	7 227	2 602	156	435	246	524	507	89	521	432	1 450	2 263	48.1	—	—	—	37.5	
With a mortgage—	14 423	686	4 375	3 618	3 266	230	131	380	188	195	53	28	28	330	358	164	—	—	—	—	42.4	
Less than 15 percent	4 623	132	1 017	325	1 755	39	16	80	55	58	—	—	—	28	34	34	29	11	11	11	35.7	
15 to 19 percent	3 759	201	1 405	1 047	667	52	34	90	51	42	—	—	—	64	16	16	16	15	15	15	35.0	
20 to 24 percent	5 537	109	1 011	694	429	20	68	51	26	26	—	7	7	52	43	12	12	25	25	25	34.1	
25 to 29 percent	1 334	99	490	235	172	24	7	71	13	23	10	4	63	63	56	62	25	25	25	33.9		
30 to 34 percent	1 605	42	223	122	45	29	20	19	11	6	—	30	24	28	28	28	28	28	28	28	37.2	
35 percent or more	1 494	103	229	183	162	81	34	52	7	40	42	182	136	129	129	82	82	82	82	82	56.8	
Not computed—	18 4	20.5	—	12	16	5	—	—	—	—	—	—	—	—	—	—	—	14	14	14	2	
Median	11 940	49	347	225	2 372	25	25	18.8	19.7	33.3	49.1	30.4	29.6	28.8	41.0	—	—	—	—	—	62.1	
Less than 10 percent	4 303	22	242	20	55	251	24	58	329	479	36	100	102	102	102	102	102	102	102	102	55.2	
10 to 14 percent	2 422	20	55	281	483	464	2	462	7	12	30	49	55	3	19	14	14	14	14	14	65.3	
15 to 19 percent	1 369	7	23	53	307	470	7	—	—	—	—	40	54	13	8	36	116	116	116	116	68.0	
20 to 24 percent	881	—	7	22	227	295	12	7	7	—	—	29	56	56	14	15	15	15	15	15	67.7	
25 to 29 percent	776	—	13	—	68	238	—	—	—	—	—	15	86	6	9	5	113	113	113	113	70.3	
30 to 34 percent	445	—	—	—	34	115	—	—	—	—	—	8	45	5	7	7	46	46	46	46	34.4	
35 percent or more	1 707	—	24	6	66	301	4	7	7	13	31	12	8	12	8	8	245	245	245	245	35.7	
Not computed—	87	—	—	10	—	10	—	10	5	10.4	13.7	11.2	26.3	22.0	14.7	17.2	9	9	19	19	30.1	
Median	13.4	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Renter-occupied housing units	8 577	839	1 019	344	548	190	388	666	293	335	278	844	844	827	435	507	1 064	33.2	—	—	—	
<b>PERSONS IN UNIT</b>																						
1 person	3 520	—	380	326	215	57	310	170	116	102	53	206	206	250	317	266	973	973	973	973	49.0	
2 persons	2 424	236	316	291	102	95	95	102	116	102	36	16	16	20	375	63	132	89	89	89	28.4	
3 persons	1 221	169	183	109	33	23	44	64	64	64	—	—	—	—	110	152	152	10	2	2	27.9	
4 persons	1 027	103	75	111	36	43	43	48	48	48	14	16	16	16	33	87	43	12	12	12	30.2	
5 persons	820	477	69	34	3	19	19	19	19	19	12	26	26	26	33	72	80	75	75	75	34.4	
6 or more persons	1 819	69	99	17	19	19	19	19	19	19	12	27	28	28	32	18	62	110	94	94	94	
Median	1 830	108	85	39	56	33	52	101	45	45	6	32	32	32	32	59	343	287	151	151	151	
Total persons	25.7	21.2	19.5	19.2	17.7	26.9	21.6	19.5	17.0	17.0	20.7	20.7	20.7	20.7	20.7	20.7	37.1	38.3	30.5	30.5	32.8	
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																						
Specified renter-occupied housing units	8 209	815	291	457	315	385	170	651	284	328	225	831	794	434	478	478	478	478	478	478	32.9	
Less than 15 percent	1 474	204	169	183	59	74	44	94	142	105	105	108	22	45	45	45	45	45	45	45	32.5	
15 to 19 percent	1 221	169	183	109	33	23	44	64	64	64	64	64	25	25	25	25	25	25	25	25	29.0	
20 to 24 percent	1 027	103	75	111	36	43	43	48	48	48	48	48	35	35	35	35	35	35	35	35	34.4	
25 to 29 percent	820	477	69	34	3	19	19	19	19	19	12	26	26	26	33	72	80	75	75	75	34.4	
30 to 34 percent	1 819	69	99	17	19	19	19	19	19	19	12	27	28	28	32	18	62	110	94	94	94	
35 to 49 percent	1 830	108	85	39	56	33	52	101	45	45	6	32	32	32	32	59	343	287	151	151	151	
50 percent or more	541	18	46	41	41	41	41	41	41	41	13	20	20	20	20	20	20	20	20	20	34.4	
Not computed—	25.7	21.2	19.5	19.2	17.7	26.9	21.6	19.5	17.0	17.0	20.7	20.7	20.7	20.7	20.7	20.7	37.1	38.3	30.5	30.5	34.4	
Median	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Table A-11. Age and Sex of Householder in One-Person Households for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA

	Total	Male householder						Female householder					
		Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over
Owner-occupied housing units	5 221	1 788	157	415	198	466	552	3 433	66	144	75	960	2 188
PLUMBING FACILITIES													
Complete plumbing for exclusive use	5 081	1 737	157	408	188	451	533	3 344	66	144	75	932	2 127
Lacking complete plumbing for exclusive use	140	51	—	7	10	15	19	89	—	—	—	28	61
UNITS IN STRUCTURE													
1, detached or attached	4 499	1 441	107	279	165	374	516	3 058	37	100	59	851	2 011
2 or more	276	124	2	65	11	24	22	152	—	6	4	24	118
Mobile home or trailer, etc.	446	223	48	71	22	68	14	223	29	38	12	85	59
HOUSEHOLD INCOME IN 1979													
Less than \$5,000	1 870	292	6	14	18	66	188	1 578	16	10	—	306	1 246
\$5,000 to \$9,999	1 584	496	14	55	20	139	268	1 088	13	38	20	299	718
\$10,000 to \$12,499	373	124	40	36	—	25	23	249	23	34	15	86	91
\$12,500 to \$14,999	315	150	26	44	—	38	42	165	3	18	10	90	44
\$15,000 to \$19,999	497	278	49	136	37	45	11	219	11	33	21	118	36
\$20,000 to \$24,999	334	242	8	91	55	68	20	92	—	9	7	45	31
\$25,000 to \$34,999	173	142	14	39	36	53	—	31	—	—	—	9	22
\$35,000 to \$49,999	52	48	—	—	25	23	—	4	—	2	2	—	—
\$50,000 or more	23	16	—	—	7	9	—	7	—	—	—	7	—
Median	\$6 899	\$12 137	\$14 279	\$17 151	\$21 364	\$12 697	\$6 236	\$5 500	\$10 435	\$11 765	\$13 125	\$7 377	\$4 643
Mean	\$9 597	\$13 968	\$14 677	\$16 351	\$24 187	\$15 317	\$7 168	\$7 320	\$9 685	\$12 391	\$13 721	\$9 348	\$5 806
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS													
Specified owner-occupied housing units	3 902	1 192	103	252	146	295	396	2 710	37	100	56	777	1 740
With a mortgage	913	510	87	215	92	94	22	403	18	78	37	163	107
Less than \$200	80	28	—	6	2	8	12	52	—	—	—	29	23
\$200 to \$249	192	102	14	39	23	20	6	90	—	9	14	34	33
\$250 to \$299	149	87	29	46	6	6	—	62	—	20	—	34	8
\$300 to \$349	131	70	6	31	13	16	4	61	—	26	10	14	11
\$350 to \$399	116	77	12	40	9	16	—	39	18	—	—	16	5
\$400 to \$449	132	82	6	34	19	23	—	50	—	23	6	13	8
\$500 to \$599	69	31	15	11	5	—	—	38	—	—	7	17	14
\$600 to \$749	44	33	5	8	15	5	—	11	—	—	—	6	5
\$750 or more	—	—	—	—	—	—	—	—	—	—	—	—	—
Median	\$314	\$327	\$304	\$327	\$361	\$341	\$192	\$298	\$375	\$319	\$322	\$277	\$246
Not mortgaged	2 989	682	16	37	54	201	374	2 307	19	22	19	614	1 633
Less than \$50	59	30	—	—	13	8	9	29	3	—	3	7	16
\$50 to \$74	295	98	4	11	2	37	44	197	3	—	—	34	160
\$75 to \$99	628	144	5	6	8	46	79	484	—	11	6	86	381
\$100 to \$124	795	154	—	—	6	43	105	641	—	11	4	164	462
\$125 to \$149	890	184	7	14	25	39	99	706	6	—	—	254	446
\$150 to \$199	268	70	—	6	—	26	38	198	7	—	6	46	139
\$200 to \$249	54	2	—	—	2	—	—	52	—	—	—	23	29
\$250 or more	\$141	\$136	\$120	\$155	\$142	\$131	\$138	\$142	\$179	\$125	\$128	\$153	\$139
SELECTED CHARACTERISTICS													
Median selected monthly owner costs as percentage of household income in 1979	29.5	23.6	24.9	24.9	17.0	16.9	28.6	33.7	45.4	27.5	27.4	28.0	37.1
With a mortgage	28.2	24.6	27.5	26.0	17.9	25.6	35.8	40.5	47.5	29.0	29.9	33.7	50+
Not mortgaged	30.1	22.7	23.3	13.1	13.8	12.8	28.3	33.1	18.6	13.2	18.2	26.7	36.2
Income in 1979 below poverty level	969	162	4	14	18	45	81	807	—	5	—	197	605
Percent below poverty level	18.6	9.1	2.5	3.4	9.1	9.7	14.7	23.5	—	3.5	—	20.5	27.7
Renter-occupied housing units	3 520	1 532	250	526	206	300	250	1 988	317	266	96	336	973
PLUMBING FACILITIES													
Complete plumbing for exclusive use	3 365	1 433	225	509	197	262	240	1 932	311	266	96	323	936
Lacking complete plumbing for exclusive use	155	99	25	17	9	38	10	56	6	—	—	13	37
UNITS IN STRUCTURE													
1, detached or attached	571	305	55	108	34	79	29	266	37	16	11	59	143
2	355	159	27	71	19	—	42	196	52	36	28	53	27
3 and 4	573	292	26	103	40	109	14	281	79	55	12	72	63
5 to 9	522	241	68	90	25	49	9	281	95	55	16	33	82
10 to 49	677	319	53	115	55	49	47	358	54	85	18	46	155
50 or more	771	174	11	32	18	14	99	597	—	16	11	73	497
Mobile home or trailer, etc.	51	42	10	7	15	—	10	9	—	3	—	—	6
HOUSEHOLD INCOME IN 1979													
Less than \$5,000	1 536	480	76	123	25	99	157	1 056	90	35	37	226	668
\$5,000 to \$9,999	702	260	43	105	20	27	65	442	88	86	27	24	217
\$10,000 to \$12,499	314	121	54	25	19	15	8	193	96	30	3	29	35
\$12,500 to \$14,999	191	113	19	63	5	26	—	78	18	16	—	22	22
\$15,000 to \$19,999	404	281	23	119	76	50	13	123	20	70	5	23	5
\$20,000 to \$24,999	213	143	19	50	29	45	—	70	5	29	18	7	11
\$25,000 to \$34,999	149	123	16	39	29	32	7	26	—	—	6	5	15
\$35,000 to \$49,999	11	11	—	2	3	6	—	—	—	—	—	—	—
\$50,000 or more	—	—	—	—	—	—	—	—	—	—	—	—	—
Median	\$6 330	\$10 537	\$10 278	\$12 897	\$17 766	\$13 365	\$4 424	\$4 817	\$8 811	\$11 000	\$8 095	\$4 052	\$4 246
Mean	\$9 062	\$11 762	\$10 267	\$12 359	\$16 588	\$13 373	\$6 091	\$6 982	\$8 197	\$11 755	\$10 508	\$6 132	\$5 227
GROSS RENT													
Specified renter-occupied housing units	3 446	1 501	250	511	197	293	250	1 945	317	266	96	318	948
Less than \$100	627	145	18	15	—	23	89	482	7	—	11	73	391
\$100 to \$149	385	180	38	36	22	52	32	205	29	9	7	65	95
\$150 to \$199	816	388	47	180	43	79	39	428	141	67	26	46	148
\$200 to \$249	781	413	81	157	79	48	48	368	91	102	27	46	102
\$250 to \$299	399	147	31	52	26	33	5	252	27	60	20	49	96
\$300 to \$349	199	97	24	43	10	8	12	102	6	13	5	18	60
\$350 to \$399	51	27	6	11	6	4	—	24	6	5	—	13	—
\$400 to \$499	14	11	—	5	6	—	—	3	—	3	—	—	—
\$500 or more	5	5	—	5	—	—	—	—	—	—	—	—	—
No cash rent	169	88	5	7	5	46	25	81	10	7	—	8	56
Median	\$185	\$199	\$225	\$207	\$221	\$175	\$117	\$174	\$189	\$225	\$205	\$176	\$129
SELECTED CHARACTERISTICS													
Median gross rent as percentage of household income in 1979	25.9	22.0	24.3	20.8	16.6	19.9	27.2	28.5	26.1	24.1	29.4	30.3	29.7
Income in 1979 below poverty level	978	285	51	97	20	54	63	693	79	22	37	175	380
Percent below poverty level	27.8	18.6	20.4	18.4	9.7	18.0	25.2	34.9	24.9	8.3	38.5	52.1	39.1

Table A—12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA	Total	Less than 2 months	2 up to 6 months	6 or more months	The SMSA		Total	Less than 2 months	2 up to 6 months	6 or more months
	Vacant for sale only housing units	192	27	108	57	Vacant for rent housing units	563	279	192	92
<b>ROOMS</b>										
1 to 3 rooms										
10	—	10	—	—	—	1 room	42	12	30	—
29	2	16	11	—	—	2 rooms	53	38	15	—
37	6	24	7	—	—	3 rooms	130	70	27	33
58	8	33	17	—	—	4 rooms	180	90	54	36
23	7	13	3	—	—	5 rooms	99	59	28	12
35	4	12	19	—	—	6 rooms	42	10	24	8
Median	5.8	6.2	5.6	6.1	—	7 or more rooms	17	—	14	3
					Median	3.8	3.7	3.9	3.9	3.9
<b>PLUMBING FACILITIES</b>										
Complete plumbing for exclusive use										
192	27	108	57	—	—	Complete plumbing for exclusive use	527	271	168	88
Locking complete plumbing for exclusive use	—	—	—	—	—	Locking complete plumbing for exclusive use	36	8	24	4
<b>BEDROOMS</b>										
None										
1	—	—	—	—	—	None	49	19	30	—
2	11	—	11	—	—	1	237	151	49	37
3	50	5	27	18	—	2	211	97	70	44
4	72	10	45	17	—	3	48	7	33	8
5 or more	43	11	12	20	—	4	12	—	9	3
16	1	13	2	—	—	5 or more	6	5	1	—
<b>YEAR STRUCTURE BUILT</b>										
1975 to March 1980	28	8	12	8	—	YEAR STRUCTURE BUILT	74	50	18	6
1970 to 1974	9	—	5	4	—	1975 to March 1980	85	32	38	15
1960 to 1969	9	3	—	6	—	1970 to 1974	33	11	19	3
1950 to 1959	28	2	19	7	—	1960 to 1969	33	8	11	14
1940 to 1949	21	4	14	3	—	1950 to 1959	73	49	15	9
1939 or earlier	97	10	58	29	—	1940 to 1949	265	129	91	45
<b>UNITS IN STRUCTURE</b>										
1, detached or attached	171	24	90	57	—	UNITS IN STRUCTURE	121	28	64	29
2 or more	15	—	15	—	—	2	92	56	19	17
Mobile home or trailer	6	3	3	—	—	3 and 4	144	85	25	34
<b>HEATING EQUIPMENT</b>										
Central heating system	168	19	103	46	—	5 to 9	69	41	28	—
Other means	24	8	5	11	—	10 to 49	97	61	30	6
None	—	—	—	—	—	50 or more	6	—	6	—
<b>PRICE ASKED</b>										
Specified vacant for sale only housing units										
Less than \$10,000	157	24	88	45	—	Specified vacant for rent housing units	561	279	190	92
\$10,000 to \$19,999	9	—	5	4	—	Less than \$100	33	7	6	20
\$20,000 to \$29,999	21	5	5	11	—	\$100 to \$149	65	23	33	9
\$30,000 to \$39,999	34	6	20	18	—	\$150 to \$199	180	91	67	22
\$40,000 to \$49,999	40	1	21	4	—	\$200 to \$249	185	111	58	16
\$50,000 to \$59,999	9	5	—	4	—	\$250 to \$299	64	42	14	8
\$60,000 to \$79,999	31	7	24	—	—	\$300 to \$399	32	3	12	17
\$80,000 to \$99,999	13	—	13	—	—	\$400 or more	2	2	—	—
\$100,000 or more	—	—	—	—	—	Median	201	207	194	182
Median	\$36 300	\$40 000	\$38 300	\$29 800	—					

Table A—13. Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA	Price asked—Specified vacant for sale only housing units						Rent asked—Specified vacant for rent housing units						
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollars)	Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or more
<b>Total</b>													
157	9	55	49	44	—	36 300	561	33	245	249	32	2	201
<b>PLUMBING FACILITIES</b>													
Complete plumbing for exclusive use	157	9	55	49	44	—	36 300	525	33	209	249	32	2
Locking complete plumbing for exclusive use	—	—	—	—	—	—	—	36	—	26	—	—	204
<b>BEDROOMS</b>													
None	—	—	—	—	—	—	—	49	—	47	—	—	2
1	—	1	—	—	—	—	—	237	14	98	112	13	203
2	40	9	21	—	10	—	—	211	12	77	115	7	208
3	57	—	21	18	18	—	—	46	7	14	13	12	205
4	43	—	12	20	11	—	—	37 500	12	—	9	3	176
5 or more	16	—	—	11	5	—	—	38 300	6	—	6	—	285
<b>YEAR STRUCTURE BUILT</b>													
1975 to March 1980	18	—	—	7	11	—	58 300	74	—	7	61	6	253
1970 to 1974	4	—	2	2	—	—	33 800	85	6	28	43	6	208
1960 to 1969	6	—	—	6	—	—	37 500	33	—	20	13	—	194
1950 to 1959	28	—	1	2	18	—	51 500	33	6	19	8	—	179
1940 to 1949	21	—	7	7	7	—	37 100	73	—	50	17	6	192
1939 or earlier	80	8	39	25	8	—	28 800	263	21	121	107	14	187
<b>UNITS IN STRUCTURE</b>													
1, detached or attached	157	9	55	49	44	—	36 300	119	6	61	42	10	195
2 or more	—	—	—	—	—	—	—	408	27	167	196	16	203
Mobile home or trailer	—	—	—	—	—	—	—	34	—	17	11	6	190

Table B—1. Value of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

## Bay City city

	Total	Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Median (dollars)	Mean (dollars)
Specified owner-occupied housing units	10 135	294	2 017	3 188	2 497	1 240	509	230	84	58	18	28 200	31 000
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families	6 788	135	984	2 049	1 823	1 033	432	207	61	50	14	31 000	33 500
15 to 24 years	346	3	62	161	90	30	—	—	—	—	—	27 000	27 200
25 to 34 years	1 463	29	166	500	441	180	109	38	—	—	—	30 600	32 100
35 to 44 years	1 255	6	121	328	395	257	63	41	26	13	5	33 500	36 800
45 to 64 years	2 401	78	343	598	610	411	192	105	29	26	9	32 800	35 500
65 years and over	1 323	19	292	462	287	155	68	23	6	11	—	26 700	30 000
Male householder, no wife present	866	59	212	323	179	54	24	12	3	—	—	23 900	25 800
15 to 24 years	52	—	16	30	6	—	—	—	—	—	—	24 300	24 000
25 to 34 years	186	28	37	65	42	12	2	—	—	—	—	22 500	24 000
35 to 44 years	84	—	19	41	18	—	—	6	—	—	—	22 500	27 000
45 to 64 years	253	—	65	97	50	23	12	6	—	—	—	24 500	27 700
65 years and over	291	31	75	90	63	19	10	—	—	—	—	23 600	25 300
Female householder, no husband present	2 481	100	821	816	495	153	53	11	20	8	4	23 700	26 000
15 to 24 years	55	5	13	20	7	10	—	—	—	—	—	24 300	26 200
25 to 34 years	228	—	68	104	44	5	7	—	—	—	—	25 400	25 700
35 to 44 years	163	—	81	47	21	9	5	—	—	—	—	20 100	23 600
45 to 64 years	749	28	187	214	209	66	28	—	13	—	4	26 000	29 200
65 years and over	1 286	67	472	431	214	63	13	11	7	8	—	22 300	24 600
Median age	53.7	59.5	61.2	54.4	50.2	50.0	51.5	48.1	48.5	56.9	55.0	...	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>													
1979 to March 1980	771	30	101	258	223	100	14	45	—	—	—	29 900	31 700
1975 to 1978	2 162	32	347	760	536	270	124	34	33	12	14	28 900	32 700
1970 to 1974	1 285	34	223	391	374	137	65	33	16	12	—	29 800	32 000
1960 to 1969	1 858	59	326	484	438	323	116	70	13	25	4	31 300	33 900
1959 or earlier	4 059	139	1 020	1 295	926	410	190	48	22	9	—	26 000	28 400
<b>ROOMS</b>													
1 to 3 rooms	90	10	48	14	12	6	—	—	—	—	—	16 300	19 400
4 rooms	1 105	56	325	455	186	61	22	—	—	—	—	23 300	24 200
5 rooms	2 648	101	537	829	676	337	112	49	7	—	—	27 500	29 300
6 rooms	2 772	81	550	863	741	330	124	63	13	7	—	28 600	30 400
7 rooms	1 845	37	333	611	460	236	80	30	29	9	—	28 800	31 400
8 or more rooms	1 675	9	224	416	422	250	171	88	35	42	18	33 400	39 400
Median	5.9	5.3	5.7	5.8	6.0	6.2	6.5	6.6	7.3	8.5+	8.5	...	...
<b>BEDROOMS</b>													
None	—	—	—	—	—	—	—	—	—	—	—	—	—
1	277	41	105	90	28	6	7	—	—	—	—	19 400	20 500
2	2 806	119	689	1 093	599	206	75	18	7	—	—	25 100	26 300
3	4 472	101	809	1 310	1 150	635	253	144	43	27	—	30 100	32 400
4	2 138	30	350	606	608	334	110	48	25	19	8	31 100	33 500
5 or more	442	3	64	89	112	59	64	20	9	12	10	35 000	42 000
<b>YEAR STRUCTURE BUILT</b>													
1975 to March 1980	122	—	—	24	31	11	45	11	—	—	—	45 800	44 100
1970 to 1974	262	—	28	96	72	39	—	16	7	4	—	30 600	35 300
1960 to 1969	602	5	12	95	211	167	54	22	10	17	9	38 900	43 600
1950 to 1959	1 633	3	107	382	531	345	145	56	42	18	4	36 300	39 000
1940 to 1949	1 439	28	239	516	370	158	66	41	7	14	—	28 000	31 200
1939 or earlier	6 077	258	1 631	2 075	1 282	520	199	84	18	5	5	24 900	27 200
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000	1 039	83	364	378	158	42	5	5	—	4	—	21 700	22 700
\$5,000 to \$9,999	1 630	106	538	544	282	99	42	12	3	4	—	22 800	24 900
\$10,000 to \$12,499	610	10	243	199	100	46	2	10	—	—	—	21 900	24 900
\$12,500 to \$14,999	672	26	129	255	158	70	22	9	—	3	—	27 300	28 600
\$15,000 to \$19,999	1 502	34	357	480	438	123	57	13	—	—	—	26 600	28 200
\$20,000 to \$24,999	1 547	12	209	548	457	195	77	33	12	—	4	30 100	32 000
\$25,000 to \$34,999	1 877	13	126	539	599	370	155	55	20	—	—	33 800	35 600
\$35,000 to \$49,999	899	3	27	196	230	251	95	50	16	31	—	39 600	42 200
\$50,000 or more	359	7	24	49	75	44	54	43	33	16	14	43 100	54 300
Median	\$18 820	\$7 813	\$11 096	\$17 072	\$21 134	\$25 731	\$27 426	\$29 271	\$38 736	\$41 929	\$75 000	...	...
Mean	\$20 746	\$10 648	\$13 129	\$18 380	\$22 095	\$26 265	\$29 912	\$45 336	\$49 479	\$50 989	\$85 691	...	...
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>													
With a mortgage	4 782	102	723	1 495	1 236	714	303	141	42	21	5	30 500	32 900
Less than 15 percent	1 503	28	152	464	431	261	83	60	16	8	—	32 200	34 200
15 to 19 percent	1 241	22	159	388	370	195	84	5	13	—	5	31 200	33 000
20 to 24 percent	797	—	104	253	199	116	67	42	7	9	—	31 900	35 400
25 to 29 percent	425	4	73	115	126	65	26	16	—	—	—	31 200	32 700
30 to 34 percent	199	—	47	93	25	28	—	—	6	—	—	27 200	29 200
35 percent or more	612	48	188	182	85	44	43	18	—	4	—	23 600	27 100
Not computed	5	—	—	—	—	5	—	—	—	—	—	42 500	42 500
Median	18.6	26.3	22.4	18.7	17.5	17.4	19.1	20.7	16.9	21.4	17.5	...	...
Not mortgaged	5 353	192	1 294	1 693	1 261	526	206	89	42	37	13	26 100	29 400
Less than 10 percent	1 596	23	299	431	452	239	105	25	7	—	4	30 700	32 400
10 to 14 percent	1 074	43	228	317	251	105	48	32	26	19	5	27 800	32 800
15 to 19 percent	675	31	156	229	171	53	24	11	—	—	—	25 600	27 400
20 to 24 percent	453	43	173	112	99	13	—	4	9	—	—	20 600	23 800
25 to 29 percent	425	8	113	216	53	16	19	—	—	—	—	24 200	25 400
30 to 34 percent	186	6	47	49	74	6	4	—	—	—	—	25 900	27 000
35 percent or more	914	30	264	339	153	94	6	17	—	7	4	23 800	27 200
Not computed	30	8	14	—	8	—	—	—	—	—	—	17 800	18 900
Median	15.0	19.2	18.6	17.2	13.5	11.1	10—	13.0	12.7	12.0	12.5	...	...
<b>SELECTED CHARACTERISTICS</b>													
Complete plumbing for exclusive use	10 091	270	1 997	3 188	2 497	1 240	509	230	84	58	18	28 300	31 100
1 or more persons per room	179	37	41	59	30	12	—	—	—	—	—	31 700	30 900
Lacking complete plumbing for exclusive use	44	24	20	—	—	—	—	—	—	—	—	10 000	10 800
1 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—
Heating equipment	10 128	294	2 017	3 181	2 497	1 240	509	230	84	58	18	28 200	31 000
Central heating system	9 513	180	1 779	3 040	2 409	1 234	493	218	84	58	18	28 900	31 700
Air conditioning	3 043	43	340	829	880	510	213	118	56	41	13	32 900	36 600
Central system	497	—	21	52	135	100	69	43	35	29	13	44 100	53 300
Income in 1979 below poverty level	749	73	271	255	97	37	7	5	—	4	—	21 100	22 600
Percent below poverty level	7.4	24.8	13.4	8.0	3.9	3.0	1.4	2.2	—	6.9	—	...	...

Table B—2. Gross Rent of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

**Bay City city**

Specified renter-occupied housing units-----

	Total	Less than \$100	\$100 to \$149	\$150 to \$199	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 or more	No cash rent	Median (dollars)
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>	<b>4 175</b>	<b>465</b>	<b>377</b>	<b>1 012</b>	<b>1 032</b>	<b>589</b>	<b>353</b>	<b>146</b>	<b>57</b>	<b>8</b>	<b>136</b>	<b>207</b>
Married-couple families-----	1 287	6	43	260	383	259	167	73	36	8	52	240
15 to 24 years-----	374	—	—	81	174	74	9	19	17	—	—	228
25 to 34 years-----	517	—	—	140	109	101	88	54	19	—	6	253
35 to 44 years-----	107	—	5	11	34	16	33	—	—	8	—	260
45 to 64 years-----	222	6	16	15	61	57	21	—	—	—	46	235
65 years and over-----	67	—	22	13	5	11	16	—	—	—	—	177
Male householder, no wife present-----	940	89	135	332	212	52	69	10	—	—	41	182
15 to 24 years-----	143	6	23	32	45	14	12	6	—	—	5	208
25 to 34 years-----	291	7	20	146	55	17	42	4	—	—	—	189
35 to 44 years-----	155	—	28	60	36	15	8	—	—	8	178	
45 to 64 years-----	166	8	35	73	23	6	7	—	—	14	162	
65 years and over-----	185	68	29	21	53	—	—	—	—	14	111	
Female householder, no husband present-----	1 948	370	199	420	437	278	117	63	21	—	43	192
15 to 24 years-----	486	7	33	172	149	87	3	22	—	—	13	205
25 to 34 years-----	340	—	8	81	107	82	25	28	9	—	—	236
35 to 44 years-----	252	11	7	39	72	60	46	5	12	—	—	247
45 to 64 years-----	317	59	85	56	68	19	14	8	—	8	163	
65 years and over-----	553	293	66	72	41	30	29	—	—	22	93	
Median age-----	34.2	72.3	56.2	29.6	28.5	29.3	34.8	29.1	28.8	42.5	56.2	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980-----	1 921	151	65	481	512	320	199	137	42	—	14	221
1975 to 1978-----	1 268	199	131	309	308	160	89	9	7	8	48	196
1970 to 1974-----	562	111	62	142	120	76	27	—	8	—	16	175
1960 to 1969-----	267	4	82	62	75	14	24	—	—	—	6	175
1959 or earlier-----	157	—	37	18	17	19	14	—	—	—	52	159
<b>ROOMS</b>												
1 room-----	101	—	59	32	10	—	—	—	—	—	—	138
2 rooms-----	498	220	73	163	28	7	—	—	—	—	7	129
3 rooms-----	1 107	205	123	427	301	33	12	—	—	—	6	178
4 rooms-----	881	40	70	203	291	137	47	21	22	—	50	213
5 rooms-----	783	—	41	127	216	226	86	53	14	—	20	249
6 rooms-----	429	—	11	39	145	94	97	23	2	—	18	255
7 or more rooms-----	376	—	—	21	41	92	111	49	19	8	35	307
Median -----	3.9	2.6	3.0	3.2	4.1	5.0	5.8	5.5	5.0	7.0	4.8	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM AND POVERTY STATUS IN 1979</b>												
All income levels in 1979-----	4 175	465	377	1 012	1 032	589	353	146	57	8	136	207
Complete plumbing for exclusive use-----	3 986	453	320	952	1 012	564	353	138	57	8	129	208
0.50 or less-----	2 644	446	273	695	578	292	171	54	16	—	119	188
0.51 to 1.00-----	1 224	7	39	247	405	239	168	79	22	8	10	238
1.01 to 1.50-----	94	—	—	5	23	33	14	5	14	—	—	288
1.51 or more-----	24	—	8	5	6	—	—	—	5	—	—	168
Lacking complete plumbing for exclusive use-----	189	12	57	60	20	25	—	8	—	—	7	166
0.50 or less-----	97	12	19	38	—	13	—	8	—	—	7	164
0.51 to 1.00-----	70	—	21	22	15	12	—	—	—	—	—	177
1.01 to 1.50-----	22	—	—	—	5	—	—	—	—	—	—	116
Income in 1979 below poverty level-----	1 454	284	76	317	352	212	121	69	8	—	15	204
Complete plumbing for exclusive use-----	1 384	272	76	301	342	195	121	61	8	—	8	204
1.01 or more persons per room-----	39	—	—	—	3	22	14	—	—	—	—	294
Lacking complete plumbing for exclusive use-----	70	12	—	16	10	17	—	8	—	—	7	209
1.01 or more persons per room-----	—	—	—	—	—	—	—	—	—	—	—	—
<b>BEDROOMS</b>												
None-----	172	—	76	82	14	—	—	—	—	—	—	155
1-----	1 836	459	209	664	426	51	6	—	—	—	21	172
2-----	1 308	6	86	212	432	322	135	43	22	—	50	236
3-----	638	—	—	46	138	140	144	85	35	—	50	286
4-----	195	—	6	8	17	65	60	18	—	8	13	296
5 or more -----	26	—	—	—	5	11	8	—	—	—	2	291
<b>UNITS IN STRUCTURE</b>												
1, detached or attached-----	1 142	7	25	122	211	298	223	103	49	8	96	275
2-----	1 089	29	88	303	349	188	81	33	—	—	18	218
3 and 4-----	903	12	95	331	335	75	32	—	8	—	—	201
5 to 9-----	321	6	88	137	70	15	5	—	—	—	—	182
10 to 49-----	211	13	27	80	56	13	12	10	—	—	—	183
50 or more -----	503	398	54	39	5	—	—	—	—	—	7	71
Mobile home or trailer, etc.-----	6	—	—	—	6	—	—	—	—	—	—	213
<b>YEAR STRUCTURE BUILT</b>												
1975 to March 1980-----	306	183	35	35	21	18	—	5	9	—	—	89
1970 to 1974-----	290	170	12	13	53	23	6	5	8	—	—	77
1960 to 1969-----	336	66	44	42	85	39	36	—	8	—	7	211
1950 to 1959-----	327	7	29	75	110	56	7	31	7	—	5	215
1940 to 1949-----	599	7	35	133	159	129	68	45	7	—	16	233
1939 or earlier-----	2 317	32	222	714	604	324	236	51	26	—	108	210
<b>STORIES IN STRUCTURE</b>												
1 to 3-----	3 589	54	296	937	1 027	582	353	146	57	8	129	218
4 or more -----	586	411	81	75	5	—	—	—	—	7	75	70
With elevator-----	500	411	54	23	5	—	—	—	—	7	—	70
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>												
Less than 15 percent-----	748	39	114	285	213	76	17	4	—	—	—	188
15 to 19 percent-----	466	54	47	108	118	72	48	8	11	—	—	210
20 to 24 percent-----	573	179	66	87	99	65	54	23	—	—	—	182
25 to 29 percent-----	430	118	39	86	65	69	33	20	—	—	—	185
30 to 34 percent-----	221	19	12	22	87	27	25	13	16	—	—	220
35 to 49 percent-----	425	29	59	98	97	85	34	12	3	8	—	214
50 percent or more -----	1 092	20	35	309	316	184	142	59	27	—	136	219
Not computed-----	220	7	5	17	37	11	—	7	—	—	—	210
Median -----	27.2	23.8	21.9	26.0	30.1	31.3	34.9	41.3	45.0	37.5	—	—
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment-----	4 171	465	377	1 012	1 032	585	353	146	57	8	136	207
Central heating system-----	3 666	465	332	848	878	508	330	142	57	8	98	207
Air conditioning-----	793	215	98	145	156	71	57	9	9	—	33	174
Central system-----	116	37	21	13	23	13	—	—	9	—	—	150

Table B—3. Income and Poverty Status in 1979 of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B]

## Bay City city

	Household income in 1979												Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)	
	11 321	1 213	1 897	678	741	1 639	1 723	2 066	986	378	18 571	20 395	895
<b>Owner-occupied housing units</b>													
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families	7 431	203	748	438	471	1 148	1 422	1 760	897	344	22 502	24 624	206
15 to 24 years	373	16	25	45	36	66	102	77	6	—	19 861	18 690	26
25 to 34 years	1 582	13	42	31	99	361	458	447	100	31	22 744	23 538	24
35 to 44 years	1 342	18	19	16	57	196	344	401	273	18	25 395	27 457	24
45 to 64 years	2 697	86	125	124	132	328	422	746	472	262	26 393	30 020	86
65 years and over	1 437	70	537	222	147	197	96	89	46	33	11 256	14 585	46
Male householder, no wife present	1 059	135	278	47	106	128	148	154	48	15	14 139	16 160	97
15 to 24 years	52	—	7	16	7	—	3	14	5	—	13 571	20 726	—
25 to 34 years	267	11	28	13	18	66	51	69	11	—	19 671	19 348	13
35 to 44 years	109	5	11	5	—	24	33	7	19	5	20 720	22 977	8
45 to 64 years	311	48	66	13	40	24	40	57	13	10	14 281	17 656	35
65 years and over	320	71	166	—	41	14	21	7	—	7 060	8 981	41	
Female householder, no husband present	2 831	875	871	193	164	363	153	152	41	19	7 493	10 877	592
15 to 24 years	65	10	25	19	—	—	11	—	—	—	9 107	10 236	30
25 to 34 years	239	28	88	28	6	55	3	18	13	—	10 313	13 502	79
35 to 44 years	189	5	49	37	20	30	21	27	—	—	12 937	15 052	38
45 to 64 years	859	165	210	39	92	185	63	68	18	19	12 921	14 327	131
65 years and over	1 479	667	499	70	46	93	55	39	10	5 610	7 944	314	
Median age	53.9	72.4	68.3	62.3	59.0	46.7	40.2	44.4	48.0	52.5	... ...	... ...	62.5
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>													
1979 to March 1980	857	43	114	58	76	155	130	160	104	17	19 479	21 324	81
1975 to 1978	2 460	104	288	131	149	393	578	580	162	75	21 305	23 196	168
1970 to 1974	1 490	97	120	100	63	291	320	315	136	48	21 135	22 374	100
1960 to 1969	1 993	151	201	91	153	279	256	475	274	113	22 373	24 221	139
1959 or earlier	4 521	818	1 174	298	300	521	439	536	310	125	12 253	16 355	407
<b>SELECTED CHARACTERISTICS</b>													
Complete plumbing for exclusive use	11 234	1 171	1 876	674	741	1 632	1 718	2 058	986	378	18 657	20 485	856
1,01 or more persons per room	201	10	5	—	5	36	25	35	54	31	29 519	33 252	15
Lacking complete plumbing for exclusive use	87	42	21	4	—	7	5	8	—	—	5 179	8 687	39
1,01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—
Heating equipment	11 314	1 206	1 897	678	741	1 639	1 723	2 066	986	378	18 581	20 405	888
Central heating system	10 592	1 006	1 696	629	719	1 564	1 661	1 989	953	375	19 051	20 741	725
Air conditioning	3 446	186	406	171	200	527	632	800	334	190	21 645	24 073	128
Vehicles available	10 300	615	1 595	645	703	1 611	1 701	2 066	986	378	19 946	21 825	584
1	745	529	1 264	488	439	888	588	453	66	40	13 050	14 475	436
2 or more	5 545	86	331	157	264	723	1 113	1 613	920	338	25 482	28 129	148
House heating fuel	11 314	1 206	1 897	678	741	1 639	1 723	2 066	986	378	18 581	20 405	888
Utility gas	10 778	1 117	1 812	622	719	1 538	1 652	2 003	952	363	18 726	20 536	810
Bottled, tank, or LP gas	25	6	6	—	—	13	—	—	—	—	17 596	13 380	—
Electricity	41	10	11	—	—	11	6	—	3	—	7 386	13 966	10
Fuel oil, kerosene, etc.	440	60	60	50	22	77	65	60	31	15	17 000	19 034	61
Other	30	13	8	6	—	—	—	3	—	—	5 625	8 026	7
Median rooms	5.9	5.3	5.4	5.9	5.8	5.7	6.1	6.2	6.5	7.0	... ...	... ...	5.4
<b>Specified owner-occupied housing units</b>													
10 135	1 039	1 630	610	672	1 502	1 547	1 877	899	359	18 820	20 746	749	
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS</b>													
With a mortgage	4 782	206	315	222	245	873	987	1 208	544	182	22 569	24 678	268
Less than \$200	186	37	26	14	5	42	29	19	14	—	16 196	15 949	16
\$200 to \$249	570	59	66	56	32	131	114	105	—	7	18 223	17 616	66
\$250 to \$299	924	51	71	40	67	221	164	219	74	17	20 119	21 907	54
\$300 to \$349	1 222	23	61	59	90	205	245	345	188	6	23 537	24 130	36
\$350 to \$399	764	22	45	32	37	116	200	190	85	37	22 926	27 268	53
\$400 to \$449	744	14	41	13	14	122	188	212	96	44	24 405	26 564	41
\$500 to \$599	203	—	—	2	—	36	35	77	36	17	27 457	29 464	2
\$600 to \$749	130	—	5	6	—	—	12	41	40	26	32 088	38 447	—
\$750 or more	39	—	—	—	—	—	—	—	11	28	—	94 768	—
Median	\$329	\$257	\$296	\$301	\$310	\$310	\$338	\$338	\$349	\$448	... ...	... ...	\$298
Not mortgaged	5 353	833	1 315	388	427	629	560	669	355	177	13 323	17 233	481
Less than \$50	37	31	6	—	—	—	—	—	—	—	3 264	3 338	20
\$50 to \$74	175	43	70	14	19	22	—	—	7	—	8 365	9 809	36
\$75 to \$99	689	215	208	46	50	53	56	43	14	4	7 516	11 145	118
\$100 to \$124	1 266	227	367	125	95	203	89	95	53	12	10 780	13 971	117
\$125 to \$149	2 053	243	508	174	177	242	243	275	145	46	13 934	17 149	128
\$150 to \$199	800	60	131	16	59	92	122	194	80	46	21 641	23 176	54
\$200 to \$249	333	14	25	13	27	17	50	62	56	69	26 653	33 918	8
\$250 or more	\$162	\$139	\$151	\$153	\$164	\$158	\$178	\$186	\$186	\$229	... ...	... ...	\$139
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>													
With a mortgage	4 782	206	315	222	245	873	987	1 208	544	182	22 569	24 678	268
Less than 15 percent	1 503	—	—	—	65	152	679	439	168	32 309	37 468	—	
15 to 19 percent	1 241	—	—	7	31	286	477	360	66	14	23 063	24 392	7
20 to 24 percent	797	—	12	36	49	290	249	133	28	—	20 215	20 974	—
25 to 29 percent	425	—	13	46	99	129	91	36	11	—	17 198	17 838	6
30 to 34 percent	199	—	26	45	52	64	12	—	—	—	13 870	14 016	—
35 percent or more	612	201	264	88	14	39	6	—	—	—	6 427	7 087	250
Not computed	5	5	—	—	—	—	—	—	—	—	2500	—	5
Median	18.6	50+	50+	32.4	27.1	21.5	18.6	14.4	12.1	10—	... ...	... ...	50+
Not mortgaged	5 353	833	1 315	388	427	629	560	669	355	177	13 323	17 233	481
Less than 10 percent	1 596	—	6	—	41	183	291	573	336	166	29 200	32 898	—
10 to 14 percent	1 074	—	76	105	178	368	228	89	19	11	17 139	18 225	—
15 to 19 percent	675	14	179	230	141	73	31	7	—	—	11 571	11 942	15
20 to 24 percent	453	4	352	33	53	5	6	—	—	—	8 405	8 841	8
25 to 29 percent	425	45	349	20	11	—	—	—	—	—	7 023	7 258	16
30 to 34 percent	186	68	118	—	—	—	—	—	—	—	5 735	5 883	7
35 percent or more	914	672	235	—	3	—	4	—	—	—	4 104	4 300	405
Not computed	30	30	—	—	—	—	—	—	—	—	2500	—161	30
Median	15.0	46.7	25.6	16.9	14.8	11.8	10—	10—	10—	10—	... ...	... ...	50+

Table B—4. Income and Poverty Status in 1979 of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8.]

Bay City city	Household income in 1979												Income in 1979 below poverty level	
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)		
	Renter-occupied housing units	4 224	1 533	928	351	260	502	295	299	56	—	7 918	10 499	1 468
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>														
Married-couple families	1 304	153	243	140	105	241	195	196	31	—	15 191	15 663	237	
15 to 24 years	374	58	71	58	31	55	42	54	5	—	12 500	14 412	68	
25 to 34 years	523	29	92	54	47	143	82	50	26	—	16 176	16 452	90	
35 to 44 years	113	15	7	18	10	26	19	18	—	—	15 774	16 472	22	
45 to 64 years	227	40	35	10	12	17	39	74	—	—	17 426	16 990	46	
65 years and over	67	11	38	—	5	—	13	—	—	—	8 708	10 615	11	
Male householder, no wife present	951	319	168	55	85	172	73	71	8	—	9 551	11 227	217	
15 to 24 years	143	27	28	21	22	35	3	7	—	—	11 964	11 586	24	
25 to 34 years	291	73	63	—	43	58	26	20	8	—	13 052	12 354	61	
35 to 44 years	160	45	8	16	13	48	30	—	—	—	14 615	12 705	45	
45 to 64 years	172	70	18	10	7	24	14	29	—	—	9 286	12 031	43	
65 years and over	185	104	51	8	—	7	—	15	—	—	4 677	7 149	44	
Female householder, no husband present	1 969	1 061	517	156	70	89	27	32	17	—	4 762	6 729	1 014	
15 to 24 years	486	197	135	75	36	13	14	16	—	—	6 420	7 858	220	
25 to 34 years	348	136	137	12	13	44	—	2	4	—	6 173	7 672	198	
35 to 44 years	252	87	121	13	7	11	7	—	6	—	6 625	7 814	123	
45 to 64 years	323	236	24	38	8	10	—	7	—	—	3 878	5 524	210	
65 years and over	560	405	100	18	6	11	6	14	—	—	4 132	5 369	263	
Median age	34.4	53.6	32.2	27.6	27.8	29.4	32.5	35.4	29.8	—	—	—	—	38.2
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>														
1979 to March 1980	1 935	654	474	194	140	241	114	96	22	—	8 248	10 132	698	
1975 to 1978	1 279	500	252	96	87	153	100	63	28	—	7 456	10 370	443	
1970 to 1974	562	246	124	24	25	41	46	50	6	—	5 972	9 778	222	
1960 to 1969	273	83	60	6	8	45	19	52	—	—	9 647	12 947	79	
1959 or earlier	175	50	18	31	—	22	16	38	—	—	11 573	13 997	26	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>														
Complete plumbing for exclusive use	4 035	1 456	872	327	253	485	287	299	56	—	7 968	10 623	1 398	
0.50 or less	2 668	1 099	504	187	174	268	180	206	50	—	6 920	10 303	859	
0.51 to 1.00	1 249	357	317	115	67	187	107	93	6	—	9 180	11 208	500	
1.01 to 1.50	94	—	43	14	12	25	—	—	—	—	10 714	11 708	39	
1.51 or more	24	—	8	11	—	5	—	—	—	—	10 909	11 479	—	
Locking complete plumbing for exclusive use	189	77	56	24	7	17	8	—	—	—	7 303	7 864	70	
0.50 or less	97	46	31	7	—	5	8	—	—	—	5 481	7 611	39	
0.51 to 1.00	70	31	25	—	7	7	—	—	—	—	6 667	6 760	31	
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	
1.51 or more	22	—	—	17	—	5	—	—	—	—	11 618	12 498	—	
<b>SELECTED CHARACTERISTICS</b>														
Heating equipment	4 220	1 533	924	351	260	502	295	299	56	—	7 910	10 501	1 464	
Central heating system	3 715	1 362	789	294	251	444	255	270	50	—	7 910	10 542	1 277	
Air conditioning	804	284	132	68	32	72	84	126	6	—	9 417	12 358	182	
Central system	116	49	12	30	—	9	7	9	—	—	8 929	9 982	29	
Vehicles available	3 115	781	733	286	234	439	295	291	56	—	10 380	12 328	816	
1	2 179	695	596	182	154	268	167	104	13	—	8 207	10 164	698	
2 or more	936	86	137	104	80	171	128	187	43	—	16 481	17 367	118	
House heating fuel	4 220	1 533	924	351	260	502	295	299	56	—	7 910	10 501	1 464	
Utility gas	3 778	1 353	820	319	214	467	267	293	45	—	8 060	10 664	1 337	
Bottled, tank, or LP gas	57	36	10	11	—	—	—	—	—	—	4 353	5 755	23	
Electricity	218	92	55	11	28	10	22	—	—	—	6 250	8 550	52	
Fuel oil, kerosene, etc.	76	24	5	6	18	6	—	6	11	—	12 917	14 425	24	
Other	91	28	34	4	—	19	6	—	—	—	7 083	8 117	28	
Median rooms	3.9	3.2	4.2	3.8	4.3	4.3	5.0	5.1	4.9	—	—	—	3.6	
Specified renter-occupied housing units	4 175	1 518	922	345	260	491	284	299	56	—	7 897	10 484	1 454	
<b>CONTRACT RENT</b>														
Less than \$100	586	473	55	11	6	14	7	20	—	—	3 910	5 193	348	
\$100 to \$149	647	247	188	56	22	47	26	55	6	—	7 079	9 407	181	
\$150 to \$199	1 429	417	344	159	109	191	96	83	30	—	9 316	11 057	426	
\$200 to \$249	938	279	194	91	72	134	76	72	20	—	9 867	11 649	341	
\$250 to \$299	355	73	83	15	30	82	44	28	—	—	13 042	13 079	124	
\$300 to \$349	58	—	24	7	8	—	8	11	—	—	11 786	14 936	11	
\$350 to \$399	18	8	—	—	10	—	—	—	—	—	15 250	9 759	8	
\$400 to \$449	8	—	—	—	—	8	—	—	—	—	23 750	23 010	—	
\$500 or more	—	—	—	—	—	—	—	—	—	—	—	—	—	
No cash rent	136	21	34	6	13	13	19	30	—	—	13 846	15 042	15	
Median	\$173	\$153	\$174	\$171	\$188	\$196	\$202	\$186	\$177	—	—	—	—	\$168
<b>GROSS RENT</b>														
Less than \$100	465	414	38	—	—	7	6	—	—	—	3 736	4 041	284	
\$100 to \$149	377	132	127	37	13	49	12	7	—	—	7 316	8 620	76	
\$150 to \$199	1 012	379	195	98	64	98	59	90	29	—	8 350	10 769	317	
\$200 to \$249	1 032	333	222	87	94	135	57	91	13	—	9 106	11 130	352	
\$250 to \$299	589	131	166	64	45	77	67	33	6	—	9 914	11 759	212	
\$300 to \$349	353	78	84	31	18	77	38	19	8	—	11 169	12 650	121	
\$350 to \$399	146	22	44	12	13	26	17	12	—	—	11 458	12 347	69	
\$400 to \$449	57	8	12	10	—	16	—	11	—	—	12 125	14 621	8	
\$500 or more	8	—	—	—	—	—	8	—	—	—	23 750	23 010	—	
No cash rent	136	21	34	6	13	13	19	30	—	—	13 846	15 042	15	
Median	\$207	\$175	\$215	\$216	\$231	\$228	\$249	\$223	\$179	—	—	—	—	\$204
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>														
Less than 15 percent	748	14	12	33	22	199	172	240	56	—	22 061	22 547	20	
15 to 19 percent	466	34	63	57	90	125	68	29	—	—	14 694	15 037	5	
20 to 24 percent	573	173	114	85	95	89	17	—	—	—	9 981	9 752	121	
25 to 29 percent	430	139	122	101	19	49	—	—	—	—	8 544	8 351	95	
30 to 34 percent	221	31	126	27	21	16	—	—	—	—	8 814	9 073	34	
35 to 49 percent	425	141	247	29	—	—	8	—	—	—	6 110	6 487	162	
50 percent or more	1 092	881	204	7	—	—	—	—	—	—	3 613	3 615	918	
Not computed	220	105	34	6	13	13	19	30	—	—	5 446	9 140	99	
Median	27.2	50+	35.4	24.7	20.6	16.6	13.4	10.2	10—	—	—	—	—	50+

Table B—5. Selected Monthly Owner Costs for Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B]

Bay City city	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
Specified owner-occupied housing units -----	4 782	186	570	924	1 222	764	744	203	130	39	329
PERSONS IN UNIT											
1 person -----	363	36	95	64	57	40	47	7	17	—	289
2 persons -----	999	65	163	229	221	105	131	53	24	8	310
3 persons -----	954	42	74	223	265	149	158	26	14	3	326
4 persons -----	1 220	25	144	244	312	202	185	70	27	11	332
5 persons -----	739	18	60	111	224	160	96	28	30	12	340
6 persons -----	311	—	34	25	107	58	69	6	12	—	345
7 persons -----	127	—	—	24	24	35	26	13	—	5	372
8 or more persons -----	69	—	—	4	12	15	32	—	6	—	409
Median -----	3.56	2.38	2.86	3.26	3.72	3.94	3.69	3.72	3.87	4.27	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER											
Married-couple families -----	3 787	117	384	726	985	645	607	175	109	39	334
15 to 24 years -----	325	5	48	86	62	83	29	12	—	—	319
25 to 34 years -----	1 383	34	163	219	337	250	283	66	31	—	341
35 to 44 years -----	983	13	87	175	273	166	164	54	32	19	340
45 to 64 years -----	984	37	79	219	277	146	124	36	46	20	328
65 years and over -----	112	28	7	27	36	—	7	7	—	—	289
Male householder, no wife present -----	347	19	70	94	61	45	40	7	11	—	295
15 to 24 years -----	38	—	—	19	6	10	3	—	—	—	300
25 to 34 years -----	161	—	42	48	29	28	12	2	—	—	290
35 to 44 years -----	56	5	20	6	12	—	7	—	6	—	275
45 to 64 years -----	86	8	8	21	14	7	18	5	5	—	321
65 years and over -----	6	6	—	—	—	—	—	—	—	—	175
Female householder, no husband present -----	648	50	116	104	176	74	97	21	10	—	315
15 to 24 years -----	42	—	5	—	—	26	7	4	—	—	381
25 to 34 years -----	195	—	27	47	51	13	51	6	—	—	323
35 to 44 years -----	158	6	22	35	60	12	19	4	—	—	313
45 to 64 years -----	173	22	34	14	54	23	20	—	6	—	315
65 years and over -----	80	22	28	8	11	—	—	7	4	—	232
Median age -----	36.9	57.4	35.0	36.8	38.6	34.1	34.6	36.5	44.4	45.1	...
YEAR HOUSEHOLDER MOVED INTO UNIT											
1979 to March 1980 -----	1 661	11	24	63	114	158	205	45	30	11	388
1975 to 1978 -----	1 828	39	210	345	453	328	307	77	44	25	335
1970 to 1974 -----	961	36	168	187	270	173	57	37	30	3	317
1960 to 1969 -----	878	28	131	210	272	89	107	20	21	—	313
1959 or earlier -----	454	72	37	119	113	16	68	24	5	—	300
ROOMS											
1 to 3 rooms -----	59	—	22	16	15	—	6	—	—	—	273
4 rooms -----	336	22	66	71	71	44	49	6	7	—	306
5 rooms -----	1 051	79	178	293	281	92	101	21	6	—	296
6 rooms -----	1 313	55	156	278	342	260	161	37	24	—	324
7 rooms -----	1 065	24	114	182	285	206	173	44	29	8	337
8 or more rooms -----	958	6	34	84	228	162	254	95	64	31	389
Median -----	6.2	5.4	5.6	5.8	6.2	6.4	6.8	7.4	7.5	8.2	...
YEAR STRUCTURE BUILT											
1975 to March 1980 -----	116	—	—	8	12	19	40	30	7	—	434
1970 to 1974 -----	187	13	12	31	58	44	22	—	—	7	332
1960 to 1969 -----	303	—	13	48	98	63	45	26	10	—	346
1950 to 1959 -----	761	22	51	152	252	108	105	15	48	8	331
1940 to 1949 -----	643	27	99	130	99	107	124	30	24	3	333
1939 or earlier -----	2 772	124	395	555	703	423	408	102	41	21	322
VALUE											
Less than \$10,000 -----	102	11	62	22	7	—	—	—	—	—	232
\$10,000 to \$19,999 -----	723	82	228	161	175	53	24	—	—	—	266
\$20,000 to \$29,999 -----	1 495	55	151	412	388	289	182	18	—	—	317
\$30,000 to \$39,999 -----	1 236	28	106	211	434	196	232	22	7	—	331
\$40,000 to \$49,999 -----	714	10	23	98	156	172	157	63	35	—	370
\$50,000 to \$59,999 -----	303	—	—	13	43	47	117	67	16	—	436
\$60,000 to \$79,999 -----	141	—	—	7	15	7	32	24	38	18	540
\$80,000 to \$99,999 -----	42	—	—	—	—	—	—	9	25	8	672
\$100,000 to \$149,999 -----	21	—	—	—	4	—	—	—	9	8	708
\$150,000 or more -----	5	—	—	—	—	—	—	—	—	5	—
Median -----	\$30 500	\$20 000	\$19 800	\$27 200	\$30 800	\$31 900	\$34 900	\$49 800	\$64 400	\$81 900	750+...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979											
Less than 15 percent -----	1 503	98	243	331	475	171	119	26	17	23	308
15 to 19 percent -----	1 241	18	140	288	336	224	177	26	27	5	326
20 to 24 percent -----	797	19	35	119	154	177	188	62	43	—	370
25 to 29 percent -----	425	—	40	43	99	56	111	45	20	11	377
30 to 34 percent -----	199	6	7	34	39	37	60	10	6	—	368
35 percent or more -----	612	40	105	109	119	99	89	34	17	—	322
Not computed -----	5	5	—	—	—	—	—	—	—	—	175
Median -----	18.6	14.2	16.5	17.3	17.0	19.7	22.0	24.0	22.4	13.5	...
SELECTED CHARACTERISTICS											
Hearing equipment -----	4 775	186	570	917	1 222	764	744	203	130	39	329
Steam or hot water system -----	589	—	11	90	140	149	75	67	36	21	368
Central warm-air furnace or electric heat pump -----	3 814	119	446	786	1 015	574	626	136	94	1B	327
Other built-in electric units -----	11	—	—	—	11	—	—	—	—	—	325
Floor, wall, or pipeless furnace -----	122	36	35	—	19	6	26	—	—	—	236
Other means -----	239	31	78	41	37	35	17	—	—	—	263
Air conditioning -----	1 511	20	172	307	415	226	205	66	77	23	331
Central system -----	215	—	—	51	60	10	32	5	39	18	347
1 or more individual room units -----	1 296	20	172	256	355	216	173	61	38	5	328
House heating fuel -----	4 775	186	570	917	1 222	764	744	203	130	39	329
Utility gas -----	4 533	176	558	866	1 143	745	685	196	130	34	329
Bottled, tank, or LP gas -----	13	—	7	—	6	—	—	—	—	—	246
Electricity -----	21	4	—	6	11	—	—	—	—	—	302
Fuel oil, kerosene, etc. -----	205	6	5	45	59	19	59	7	—	5	339
Other -----	3	—	—	—	3	—	—	—	—	—	325

Table B—6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

Bay City city	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
Specified owner-occupied housing units -----	5 353	-	37	175	689	1 266	2 053	800	333	162
PERSONS IN UNIT										
1 person -----	1 683	-	24	110	371	498	496	153	31	142
2 persons -----	2 188	-	6	37	224	513	970	279	159	166
3 persons -----	665	-	7	21	57	99	307	126	48	174
4 persons -----	439	-	-	7	24	82	148	142	36	186
5 persons -----	193	-	-	-	13	25	68	67	20	193
6 persons -----	115	-	-	-	-	18	49	24	24	190
7 persons -----	63	-	-	-	-	24	15	9	15	175
8 or more persons -----	7	-	-	-	-	7	-	-	-	138
Median -----	1.95	-	1.27	1.30	1.43	1.76	2.05	2.39	2.35	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER										
Married-couple families -----	3 001	-	-	41	202	660	1 318	517	263	173
15 to 24 years -----	21	-	-	13	-	8	-	-	-	95
25 to 34 years -----	80	-	-	-	-	21	49	10	-	169
35 to 44 years -----	272	-	-	-	-	6	57	81	40	195
45 to 64 years -----	1 417	-	-	7	101	275	613	266	155	177
65 years and over -----	1 211	-	-	21	95	299	575	153	68	167
Male householder, no wife present -----	519	-	17	25	123	116	169	63	6	145
15 to 24 years -----	14	-	-	-	-	-	14	-	-	175
25 to 34 years -----	25	-	-	-	-	12	-	7	6	154
35 to 44 years -----	28	-	-	-	-	8	-	20	-	165
45 to 64 years -----	167	-	8	14	38	41	37	23	6	139
65 years and over -----	285	-	9	11	65	75	91	34	-	144
Female householder, no husband present -----	1 833	-	20	109	364	490	566	220	64	147
15 to 24 years -----	13	-	-	-	-	2	11	-	-	170
25 to 34 years -----	33	-	-	-	-	6	14	5	8	144
35 to 44 years -----	5	-	-	-	-	-	-	-	5	250+
45 to 64 years -----	576	-	7	24	78	140	197	108	22	160
65 years and over -----	1 206	-	13	85	280	334	353	104	37	142
Median age -----	65.2	-	68.5	69.5	70.1	66.6	64.9	60.6	59.0	...
YEAR HOUSEHOLDER MOVED INTO UNIT										
1979 to March 1980 -----	110	-	-	7	28	18	32	11	14	153
1975 to 1978 -----	334	-	-	26	44	54	139	46	25	165
1970 to 1974 -----	324	-	-	6	53	85	110	53	17	158
1960 to 1969 -----	980	-	15	14	94	227	291	211	128	174
1959 or earlier -----	3 605	-	22	122	470	882	1 481	479	149	160
ROOMS										
1 to 3 rooms -----	31	-	-	14	7	10	-	-	-	105
4 rooms -----	769	-	-	53	173	259	251	20	13	140
5 rooms -----	1 597	-	12	75	228	340	697	179	66	160
6 rooms -----	1 459	-	17	27	174	345	552	264	80	165
7 rooms -----	780	-	8	-	70	206	277	146	73	169
8 or more rooms -----	717	-	-	6	37	106	276	191	101	188
Median -----	5.7	-	5.9	4.8	5.2	5.6	5.6	6.3	6.6	...
YEAR STRUCTURE BUILT										
1975 to March 1980 -----	6	-	-	6	-	-	-	-	-	88
1970 to 1974 -----	75	-	-	12	15	22	19	7	7	174
1960 to 1969 -----	299	-	7	8	14	20	132	67	51	188
1950 to 1959 -----	872	-	8	19	14	128	419	173	111	182
1940 to 1949 -----	796	-	-	24	50	213	354	128	27	166
1939 or earlier -----	3 305	-	22	118	599	890	1 126	413	137	151
VALUE										
Less than \$10,000 -----	192	-	16	15	105	56	-	-	-	115
\$10,000 to \$19,999 -----	1 294	-	14	87	301	436	355	81	20	139
\$20,000 to \$29,999 -----	1 693	-	7	40	212	500	733	166	35	156
\$30,000 to \$39,999 -----	1 261	-	-	26	56	239	616	243	81	175
\$40,000 to \$49,999 -----	526	-	-	-	15	30	260	188	33	192
\$50,000 to \$59,999 -----	206	-	-	7	-	-	66	79	54	219
\$60,000 to \$79,999 -----	89	-	-	-	-	5	20	36	28	227
\$80,000 to \$99,999 -----	42	-	-	-	-	-	3	-	39	250+
\$100,000 to \$149,999 -----	37	-	-	-	-	-	-	7	30	250+
\$150,000 or more -----	13	-	-	-	-	-	-	-	13	250+
Median -----	\$26 100	-	\$17 900	\$18 000	\$18 300	\$22 700	\$28 800	\$35 000	\$44 600	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979										
Less than 10 percent -----	1 596	-	6	48	186	363	612	279	102	166
10 to 14 percent -----	1 074	-	-	53	117	229	377	211	87	168
15 to 19 percent -----	675	-	14	18	62	179	280	72	50	162
20 to 24 percent -----	453	-	4	13	72	133	167	40	24	151
25 to 29 percent -----	425	-	-	-	82	111	191	17	24	155
30 to 34 percent -----	186	-	-	14	38	28	73	33	-	159
35 percent or more -----	914	-	5	21	124	223	353	142	46	162
Not computed -----	30	-	8	8	8	-	-	6	-	97
Median -----	15.0	-	18.0	13.3	18.0	16.1	15.7	12.8	13.7	...
SELECTED CHARACTERISTICS										
Heating equipment -----	5 353	-	37	175	689	1 266	2 053	800	333	162
Steam or hot water system -----	709	-	7	66	138	263	128	107	107	177
Central warm-air furnace or electric heat pump -----	4 086	-	7	87	462	994	1 681	634	221	165
Other built-in electric units -----	6	-	-	-	-	-	6	-	-	175
Floor, wall, or pipeless furnace -----	176	-	6	32	57	35	32	14	-	122
Other means -----	376	-	24	49	104	99	71	24	5	128
Air conditioning -----	1 532	-	-	12	162	281	636	304	137	174
Central system -----	282	-	-	-	7	29	118	68	60	194
1 or more individual room units -----	1 250	-	-	12	155	252	518	236	77	170
House heating fuel -----	5 353	-	37	175	689	1 266	2 053	800	333	162
Utility gas -----	5 142	-	25	175	665	1 251	1 962	742	322	162
Bottled, tank, or LP gas -----	6	-	-	-	-	-	-	6	-	225
Electricity -----	9	-	-	-	-	-	6	3	-	188
Fuel oil, kerosene, etc. -----	169	-	5	-	18	15	71	49	11	183
Other -----	27	-	7	-	6	-	14	-	-	152

Table B—7. Year Structure Built for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Bay City city	Owner-occupied housing units						Renter-occupied housing units						
	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	
	Occupied housing units	11 321	157	377	655	3 238	6 894	4 224	306	290	356	937	2 335
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families	7 431	122	302	518	2 317	4 172	1 304	29	50	93	417	715	
15 to 24 years	373	5	27	24	132	185	374	9	21	30	150	164	
25 to 34 years	1 582	86	60	88	507	841	523	15	24	22	179	283	
35 to 44 years	1 342	31	55	132	340	784	113	—	5	12	45	51	
45 to 64 years	2 697	—	102	198	945	1 452	227	5	—	21	43	158	
65 years and over	1 437	—	58	76	393	910	67	—	—	8	—	59	
Male householder, no wife present	1 059	18	16	30	220	775	951	52	47	30	127	695	
15 to 24 years	52	—	—	18	34	143	—	—	4	48	91		
25 to 34 years	267	2	—	6	60	199	291	15	—	—	34	242	
35 to 44 years	109	5	11	—	17	76	160	—	—	—	13	147	
45 to 64 years	311	11	5	6	52	237	172	8	—	13	19	132	
65 years and over	320	—	—	18	73	229	185	29	47	13	13	83	
Female householder, no husband present	2 831	17	59	107	701	1 947	1 969	225	193	233	393	925	
15 to 24 years	65	—	5	—	22	38	486	9	6	40	195	236	
25 to 34 years	239	6	—	17	81	135	348	—	24	28	108	188	
35 to 44 years	189	—	17	10	40	122	252	10	17	23	29	173	
45 to 64 years	859	5	26	38	262	528	323	64	27	67	27	138	
65 years and over	1 479	6	11	42	296	1 124	560	142	119	75	34	190	
Median age	53.9	29.7	47.2	48.6	53.8	55.2	34.4	66.3	70.6	55.0	26.8	34.3	
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>													
1979 to March 1980	857	40	38	34	294	451	1 935	201	60	115	496	1 063	
1975 to 1978	2 460	117	154	198	634	1 357	1 279	105	129	122	289	634	
1970 to 1974	1 490	—	185	95	435	775	562	—	101	82	91	288	
1960 to 1969	1 993	—	—	328	455	1 210	273	—	—	37	34	202	
1959 or earlier	4 521	—	—	—	1 420	3 101	175	—	—	—	27	148	
<b>ROOMS</b>													
1 room	4	—	—	—	—	4	101	7	—	5	7	82	
2 rooms	—	—	—	—	—	—	498	92	101	69	40	196	
3 rooms	147	6	—	5	38	98	1 115	124	88	91	259	553	
4 rooms	1 374	41	69	84	641	539	886	42	35	90	204	515	
5 rooms	2 966	33	171	277	1 089	1 396	795	36	45	52	256	406	
6 rooms	2 987	31	83	145	832	1 896	434	5	11	20	106	292	
7 or more rooms	3 843	46	54	144	638	2 961	395	—	10	29	65	291	
Median	5.9	5.5	5.2	5.4	5.4	6.2	3.9	2.9	3.0	3.6	4.3	4.2	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
Complete plumbing for exclusive use	11 234	157	373	655	3 223	6 826	4 035	291	290	351	878	2 225	
0.50 or less	7 375	77	178	360	2 026	4 734	2 668	254	204	195	515	1 500	
0.51 to 1.00	3 658	75	179	268	1 150	1 986	1 249	37	73	136	331	672	
1.01 to 1.50	196	5	11	27	47	106	94	—	13	20	32	29	
1.51 or more	5	—	5	—	—	—	24	—	—	—	—	24	
Locking complete plumbing for exclusive use	87	—	4	—	15	68	189	15	—	5	59	110	
0.50 or less	76	—	—	—	15	61	97	6	—	—	40	51	
0.51 to 1.00	11	—	4	—	—	7	70	9	—	5	14	42	
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—	—	
1.51 or more	—	—	—	—	—	—	22	—	—	—	5	17	
<b>PERSONS IN UNIT</b>													
1 person	2 401	22	43	85	552	1 699	1 786	236	175	154	270	951	
2 persons	3 551	49	96	198	1 135	2 073	1 190	41	44	84	343	678	
3 persons	1 839	18	83	117	624	997	609	15	17	48	145	384	
4 persons	1 782	49	93	141	552	947	327	9	39	18	92	169	
5 persons	1 005	8	42	72	187	696	153	5	—	16	58	74	
6 or more persons	743	11	20	42	188	482	159	—	15	36	29	79	
Median	2.42	2.92	3.10	2.88	2.44	2.34	1.77	1.15	1.33	1.79	2.08	1.82	
Total persons	32 385	503	1 220	2 058	9 137	19 467	8 868	384	589	834	2 103	4 958	
<b>UNITS IN STRUCTURE</b>													
1, detached or attached	10 607	131	277	628	3 191	6 380	1 191	43	52	122	346	628	
2	436	—	4	9	24	399	1 089	15	48	61	277	688	
3 and 4	120	—	5	—	23	92	903	10	14	40	215	624	
5 to 9	28	—	5	—	—	23	321	—	—	16	76	229	
10 to 49	—	—	—	—	—	—	211	—	6	43	16	146	
50 or more	—	—	—	—	—	—	503	238	164	74	7	20	
Mobile home or trailer, etc.	130	26	86	18	—	—	6	6	—	—	—	—	
<b>SELECTED CHARACTERISTICS</b>													
Heating equipment	11 314	157	377	655	3 238	6 887	4 220	306	290	356	933	2 335	
Steam or hot water system	1 524	13	21	128	297	1 065	1 103	168	97	87	139	612	
Central warm-air furnace or electric heat pump	8 730	139	334	507	2 689	5 061	2 292	112	144	227	572	1 237	
Other built-in electric units	22	5	5	—	6	6	53	17	13	—	17	6	
Floor, wall, or pipeless furnace	316	—	—	—	94	222	267	—	19	12	99	137	
Other means	722	—	17	20	152	533	505	9	17	30	106	343	
Air conditioning	3 446	16	141	223	1 165	1 901	804	95	118	108	158	325	
Central system	568	—	73	49	251	195	116	47	17	6	16	30	
1 or more individual room units	2 878	16	68	174	914	1 706	688	48	101	102	142	295	
House heating fuel	11 314	157	377	655	3 238	6 887	4 220	306	290	356	933	2 335	
Utility gas	10 778	152	354	627	3 109	6 536	3 778	284	231	316	825	2 122	
Bottled, tank, or LP gas	25	—	6	—	7	12	57	—	6	9	—	42	
Electricity	41	5	11	9	6	10	218	22	42	23	64	67	
Fuel oil, kerosene, etc.	440	—	6	19	108	307	76	—	11	—	25	40	
Other	30	—	—	—	8	22	91	—	—	8	19	64	
Income in 1979 below poverty level	895	2	24	67	191	611	1 468	162	161	168	240	73	
Percent below poverty level	7.9	1.3	6.4	10.2	5.9	8.9	34.8	52.9	55.5	47.2	25.6	31.1	
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000	1 213	—	30	46	208	929	1 533	215	198	147	212	76	
\$5,000 to \$9,999	1 897	11	50	87	477	1 272	928	49	44	103	215	51	
\$10,000 to \$12,499	678	7	36	13	176	446	351	24	10	19	85	21	
\$12,500 to \$14,999	741	6	20	39	228	448	260	—	14	26	65	15	
\$15,000 to \$19,999	1 639	47	73	81	501	937	502	—	13	30	151	30	
\$20,000 to \$24,999	1 723	33	51	79	519	1 041	295	—	11	20	100	16	
\$25,000 to \$34,999	2 066	47	75	175	621	1 148	299	18	—	11	91	17	
\$35,000 to \$49,999	986	6	29	85	378	488	56	—	—	—	18	3	
\$50,000 or more	378	—	13	50	130	185	—	—	—	—	—	—	
Median	\$18 571	\$20 987	\$18 750	\$24 069	\$20 261	\$17 042	\$7 918	\$4 193	\$4 221	\$6 174	\$11 221	\$8 899	
Mean	\$20 395	\$21 334	\$21 859	\$25 121	\$22 806	\$18 711	\$10 499	\$5 922	\$5 941	\$8 527	\$12 915	\$10 999	

Table B-8. Units in Structure for Owner- and Renter-Occupied Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.)

**Bay City city**

Married-couple families	Owner-occupied housing units				Renter-occupied housing units								Mobile home or trailer, etc.
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units		
	11 321	10 607	584	130	4 224	1 191	1 089	903	321	211	503		
Condominium housing units													
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families	7 431	7 087	284	60	1 304	590	414	245	30	5	20		
15 to 24 years	373	350	8	15	374	111	142	102	14	5	—		
25 to 34 years	1 582	1 515	62	5	523	262	170	75	16	—	—		
35 to 44 years	1 342	1 296	31	15	113	88	14	11	—	—	—		
45 to 64 years	2 697	2 560	126	11	227	113	58	44	—	—	12		
65 years and over	1 437	1 366	57	14	67	16	30	13	—	—	8		
<b>Male householder, no wife present</b>	1 059	911	116	32	951	171	188	275	118	106	93		
15 to 24 years	52	52	—	—	143	17	45	33	48	—	—		
25 to 34 years	267	196	65	6	291	59	64	67	32	46	23		
35 to 44 years	109	87	12	10	160	22	33	78	8	19	—		
45 to 64 years	311	268	27	16	172	35	7	82	26	14	8		
65 years and over	320	308	12	—	185	38	39	15	4	27	62		
<b>Female householder, no husband present</b>	2 831	2 609	184	38	1 969	430	487	383	173	100	390		6
15 to 24 years	65	55	5	5	486	74	164	137	106	5	—		
25 to 34 years	239	228	5	6	348	98	131	62	26	25	—		6
35 to 44 years	189	173	16	—	252	121	84	30	—	6	11		
45 to 64 years	859	799	44	16	323	71	65	97	13	11	66		
65 years and over	1 479	1 354	114	11	560	66	43	57	28	53	313		
<b>Median age</b>	53.9	53.9	54.9	46.4	34.4	34.3	28.8	33.3	24.7	44.6	72.2		27.5
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>													
1979 to March 1980	857	806	30	21	1 935	485	518	447	182	88	209		6
1975 to 1978	2 460	2 242	156	62	1 279	389	299	258	80	64	189		
1970 to 1974	1 490	1 361	82	47	562	157	147	101	16	40	101		
1960 to 1969	1 993	1 919	74	—	273	71	100	60	38	—	4		
1959 or earlier	4 521	4 279	242	—	175	89	25	37	5	19	—		
<b>ROOMS</b>													
1 room	4	—	4	—	101	—	—	22	23	49	7		
2 rooms	—	—	—	—	498	9	28	90	58	53	260		
3 rooms	147	99	48	—	1 115	51	254	398	148	60	204		
4 rooms	1 374	1 161	138	75	886	159	328	264	77	26	32		
5 rooms	2 966	2 784	153	29	795	390	290	88	15	6	—		6
6 rooms	2 987	2 862	110	15	434	284	119	24	—	7	—		
7 or more rooms	3 843	3 701	131	11	395	298	70	17	—	10	—		
Median	5.9	5.9	5.2	4.4	3.9	5.5	4.3	3.4	3.0	2.6	2.4		5.0
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
Complete plumbing for exclusive use	11 234	10 556	548	130	4 035	1 191	1 031	835	289	186	497		6
0.50 or less	7 375	6 911	363	101	2 668	630	621	571	222	146	472		6
0.51 to 1.00	3 658	3 466	163	29	1 249	484	393	254	53	40	25		
1.01 to 1.50	196	174	22	—	94	72	17	5	—	—	—		
1.51 or more	5	5	—	—	24	5	—	5	14	—	—		
acking complete plumbing for exclusive use	87	51	36	—	189	—	58	68	32	25	6		
0.50 or less	76	51	25	—	97	—	41	30	20	—	6		
0.51 to 1.00	11	—	11	—	70	—	12	21	12	25	—		
1.01 to 1.50	—	—	—	—	22	—	5	17	—	—	—		
<b>BEDROOMS</b>													
1 room	4	—	4	—	172	—	9	53	41	62	7		
2 rooms	414	298	110	6	1 836	79	373	540	235	120	489		
3 rooms	3 311	2 962	245	104	1 327	403	569	278	45	19	7		6
4 rooms	4 810	4 651	139	20	662	524	113	15	—	10	—		
5 or more	2 257	2 227	30	—	195	153	25	17	—	—	—		
<b>HOUSEHOLD INCOME IN 1979</b>													
\$5,000 or less	1 213	1 074	111	28	1 533	242	335	345	141	68	402		
5,000 to \$9,999	1 897	1 747	107	43	928	327	251	153	68	59	64		
10,000 to \$12,499	678	621	43	14	351	90	81	102	30	24	24		
12,500 to \$14,999	741	707	29	5	260	76	75	51	33	19	6		
15,000 to \$19,999	1 639	1 568	50	21	502	181	123	125	36	30	7		
20,000 to \$24,999	1 723	1 613	96	14	295	109	110	65	5	6	—		
25,000 to \$34,999	2 066	1 972	94	—	299	145	79	62	8	5	—		
35,000 to \$49,999	986	932	49	5	56	21	35	—	—	—	—		
50,000 or more	378	373	5	—	—	—	—	—	—	—	—		
Median	\$18 571	\$18 787	\$15 208	\$8 636	\$7 918	\$10 736	\$9 356	\$8 470	\$6 250	\$6 803	\$3 937	\$8 750	
Mean	\$20 395	\$20 687	\$17 098	\$11 353	\$10 499	\$13 119	\$11 810	\$10 120	\$8 177	\$8 907	\$4 317	\$8 390	
<b>ELECTED CHARACTERISTICS</b>													
Central heating equipment	11 314	10 600	584	130	4 220	1 191	1 085	903	321	211	503		6
Steam or hot water system	1 524	1 345	179	—	1 103	62	221	251	106	155	308		
Central warm-air furnace or electric heat pump	8 730	8 280	337	113	2 292	879	614	428	176	39	150		6
Other built-in electric units	22	17	5	—	53	6	17	—	—	30	—		
Floor, wall, or pipeless furnace	316	316	—	—	267	118	71	46	19	6	7		
Other means	722	642	68	12	505	126	162	178	20	11	8		
Central air conditioning	3 446	3 221	188	37	804	175	174	73	46	77	259		
Central system	568	528	20	20	116	9	14	15	6	11	61		
Vehicles available	10 300	9 682	499	119	3 115	978	880	614	253	168	216		6
1 vehicle	4 755	4 486	204	65	2 179	548	632	452	190	142	209		
2 or more	5 545	5 196	295	54	936	430	248	162	63	26	7		
Use heating fuel	11 314	10 600	584	130	4 220	1 191	1 085	903	321	211	503		6
Utility gas	10 778	10 126	557	95	3 778	1 155	978	795	249	194	401		6
Bottled, tank, or LP gas	25	19	6	—	57	—	15	19	17	—	6		
Electricity	41	30	—	11	218	20	53	22	40	6	77		
Fuel oil, kerosene, etc.	440	395	27	18	76	6	11	27	15	6	11		
Other	30	30	—	—	91	10	28	40	—	5	8		
Propane heating fuel	7	7	—	—	33	—	—	33	—	—	—		
Utility gas	8 734	8 296	372	66	2 177	930	728	409	64	15	25		6
Bottled, tank, or LP gas	4 134	3 950	159	25	1 399	650	495	214	34	—	—		6
Electricity	1 735	1 659	60	16	869	341	350	138	34	—	—		6
Fuel oil, kerosene, etc.	1 070	1 002	62	6	771	296	286	134	34	10	5		6
Other	472	426	46	—	628	252	241	95	34	—	—		6
Military household	145	140	5	—	313	63	150	60	34	—	—		6
With own children under 18 years	4 134	3 950	159	25	1 399	650	495	214	34	—	—		6
With own children under 6 years	1 735	1 659	60	16	869	341	350	138	34	—	—		6
<b>Male householder, no husband present</b>	1 070	1 002	62	6	771	296	286	134	34	10	5		6
With own children under 18 years	472	426	46	—	628	252	241	95	34	—	—		6
With own children under 6 years	145	140	5	—	313	63	150	60	34	—	—		6
<b>Female householder</b>	2 587	2 311	212	64	2 047	261	361	494	257	196	478		
One in 1979 below poverty level	895	778	89	28	1 468	361	364	321	118	38	266		
Percent below poverty level	7.9	7.3	15.2	21.5	34.8	30.3	33.4	35.5	36.8	18.0	52.9		

Table B—9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B)

## Bay City city

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
<b>Owner-occupied housing units</b>	<b>11 321</b>	<b>2 401</b>	<b>3 551</b>	<b>1 839</b>	<b>1 782</b>	<b>1 005</b>	<b>455</b>	<b>207</b>	<b>81</b>	<b>2.42</b>	<b>32 385</b>
Nonrelatives present	367	—	116	119	55	44	21	6	6	3.07	1 306
<b>ROOMS</b>											
1 to 2 rooms	151	100	41	5	5	—	—	—	—	1.25	242
4 rooms	1 374	562	506	207	78	5	11	—	5	1.75	2 682
5 rooms	2 966	736	1 046	561	390	164	45	24	—	2.21	7 387
6 rooms	2 987	503	973	391	554	324	180	55	7	2.54	9 025
7 rooms	1 996	287	568	327	410	245	75	49	35	2.94	6 197
8 or more rooms	1 847	213	417	348	345	267	144	79	34	3.34	6 852
Median	5.9	5.2	5.7	5.9	6.3	6.5	6.5	7.0	7.3	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	11 234	2 357	3 536	1 820	1 778	1 000	455	207	81	2.42	32 221
1.00 or less	11 033	2 357	3 536	1 820	1 773	995	399	128	25	2.39	30 957
1.01 to 1.50	196	—	—	—	5	5	56	79	51	6.91	1 231
1.51 or more	5	—	—	—	—	—	—	—	5	8.5+	33
Locking complete plumbing for exclusive use	87	44	15	19	4	5	—	—	—	1.49	164
1.00 or less	87	44	15	19	4	5	—	—	—	1.49	164
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	—	—	—	—	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	10 607	2 161	3 348	1 699	1 718	975	435	195	76	2.44	30 334
2 or more	584	181	161	127	48	30	20	12	5	2.19	1 765
Mobile home or trailer, etc.	130	59	42	13	16	—	—	—	—	1.64	286
<b>VALUE</b>											
Specified owner-occupied housing units	10 135	2 046	3 187	1 619	1 659	932	426	190	76	2.45	28 760
Less than \$10,000	294	109	79	56	32	12	6	—	—	1.98	736
\$10,000 to \$19,999	2 017	678	614	241	266	124	55	25	14	2.04	4 692
\$20,000 to \$29,999	3 188	716	998	537	439	311	130	39	18	2.38	8 386
\$30,000 to \$39,999	2 497	354	841	415	453	238	92	91	13	2.63	7 451
\$40,000 to \$49,999	1 240	104	354	225	267	160	87	18	25	3.22	4 356
\$50,000 to \$59,999	509	38	171	86	108	54	40	12	—	3.03	1 777
\$60,000 to \$79,999	230	23	75	28	66	28	4	—	6	3.11	792
\$80,000 to \$99,999	84	16	34	10	16	—	8	—	—	2.26	220
\$100,000 to \$149,999	58	4	21	17	7	—	4	5	—	2.74	254
\$150,000 or more	18	4	—	4	5	5	—	—	—	3.70	96
Median	\$28 200	\$22 900	\$28 600	\$29 600	\$31 500	\$30 600	\$34 100	\$33 200	\$32 300	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	11 321	2 401	3 551	1 839	1 782	1 005	455	207	81	2.42	32 385
Median income	\$18 571	\$6 376	\$16 732	\$22 624	\$23 679	\$24 823	\$26 189	\$29 511	\$28 750	...	...
Median selected monthly owner costs as percentage of household income	17.3	29.4	16.2	14.6	16.3	15.9	14.1	13.2	13.9	...	...
With a mortgage	18.6	29.7	18.6	19.5	18.2	17.1	16.5	15.7	14.5	...	...
Not mortgaged	15.0	29.3	14.9	10—	10—	10—	10—	10—	10—	...	...
Income in 1979 below poverty level	895	436	167	107	74	67	39	—	5	1.57	...
Median income	\$3 717	\$3 121	\$3 821	\$4 099	\$5 577	\$6 445	\$8 312	—	\$3 750	...	...
Median selected monthly owner costs as percentage of household income	50+	50+	50+	50+	50+	50+	50+	50+	50+	...	...
With a mortgage	50+	50+	50+	50+	50+	50+	50+	50+	50+	...	...
Not mortgaged	50+	50+	47.3	18.8	49.2	27.5	50+	—	—	...	...
Renter-occupied housing units	4 224	1 786	1 190	609	327	153	89	40	30	1.77	8 868
Nonrelatives present	365	—	234	77	—	20	24	5	5	2.28	1 074
<b>ROOMS</b>											
1 room	101	71	22	8	—	—	—	—	—	1.21	120
2 rooms	498	453	40	5	—	—	—	—	—	1.05	553
3 rooms	1 115	735	293	68	8	6	5	—	—	1.26	1 561
4 rooms	886	311	366	134	45	23	7	—	—	1.86	1 737
5 rooms	795	156	269	196	117	26	20	6	5	2.40	2 043
6 rooms	434	39	139	102	81	38	23	12	—	2.88	1 371
7 or more rooms	395	21	61	96	76	60	34	22	25	3.76	1 483
Median	3.9	3.0	4.2	5.0	5.4	6.1	6.0	6.6	7.3	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	4 035	1 687	1 129	590	322	153	84	40	30	1.79	8 547
1.00 or less	3 917	1 687	1 124	577	314	124	57	22	12	1.74	7 938
1.01 to 1.50	94	—	—	5	8	23	27	18	13	5.91	492
1.51 or more	24	—	5	8	—	6	—	—	5	3.38	117
Locking complete plumbing for exclusive use	189	99	61	19	5	—	5	—	—	1.45	321
1.00 or less	167	99	44	19	5	—	—	—	—	1.34	276
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	22	—	17	—	—	—	5	—	—	2.15	45
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	1 191	217	308	214	204	104	80	40	24	2.83	3 596
2	1 089	283	407	261	91	32	9	—	6	2.14	2 476
3 and 4	903	404	340	116	32	11	—	—	—	1.64	1 569
5 to 9	321	219	88	8	—	6	—	—	—	1.23	444
10 to 49	211	185	16	10	—	—	—	—	—	1.07	243
50 or more	503	478	25	—	—	—	—	—	—	1.03	527
Mobile home or trailer, etc.	6	—	6	—	—	—	—	—	—	2.00	13
<b>GROSS RENT</b>											
Specified renter-occupied housing units	4 175	1 768	1 176	609	316	147	89	40	30	1.77	8 749
Less than \$100	465	448	17	—	—	—	—	—	—	1.02	482
\$100 to \$149	377	286	70	15	—	6	—	—	—	1.16	482
\$150 to \$199	1 012	578	299	95	34	6	—	—	—	1.38	1 611
\$200 to \$249	1 032	261	432	207	65	36	18	13	—	2.09	2 358
\$250 to \$299	589	77	187	148	92	42	14	16	13	2.71	1 708
\$300 to \$349	353	56	71	76	80	32	32	—	6	3.15	1 042
\$350 to \$399	146	8	32	49	18	24	9	—	6	3.17	528
\$400 to \$449	57	—	11	5	8	7	10	11	5	5.14	263
\$500 or more	8	—	—	8	—	—	—	—	—	4.00	23
No cash rent	136	54	57	14	11	—	—	—	—	1.75	252
Median	\$207	\$159	\$215	\$244	\$276	\$286	\$310	\$280	\$317	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	4 224	1 786	1 190	609	327	153	89	40	30	1.77	8 868
Median income	\$7 918	\$4 771	\$10 990	\$9 256	\$13 011	\$10 852	\$15 043	\$12 045	\$10 833	...	...
Median gross rent as percentage of household income	27.2	26.5	24.8	31.0	28.5	28.9	29.5	30.9	43.1	...	...
Income in 1979 below poverty level	1 468	654	363	212	90	71	48	11	19	1.72	...
Median income	\$3 521	\$3 125	\$3 186	\$4 095	\$4 527	\$6 653	\$7 917	\$6 250	\$8 542	...	...
Median gross rent as percentage of household income	50+	50+	50+	50+	50+	45.0	45.0	45.0	47.3	...	...

**Table B—10. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units: 1980**

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

Bay City city		Married-couple families										Male householder, no wife present										Median age			
		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over				
Owner-occupied housing units	Total	11 321	373	1 582	1 342	2 697	1 437	52	267	109	311	320	65	239	189	859	1 479	53.9							
PERSONS IN UNIT	1 person	2 401	144	293	95	1 030	223	21	153	69	185	269	17	56	14	474	1 143	68.2							
	2 persons	1 839	155	404	107	658	187	-	56	50	31	32	11	61	43	193	258	62.4							
	3 persons	1 782	58	533	522	459	9	-	36	9	55	25	28	19	49	79	50	48.8							
	4 persons	1 065	16	248	338	290	13	-	22	-	17	5	40	26	18	72	17	38.5							
	5 persons	743	-	104	280	260	5	-	-	-	4	12	-	35	18	23	11	42.7							
	6 or more persons	2,422	2.77	3,68	4,40	2,98	2.09	1,66	1,37	1,29	1,34	1,09	7	2,68	3,46	1,41	1,15	...							
	Total persons	32 385	1 051	5 793	6 025	9 432	3 187	80	503	168	557	395	172	795	659	1 640	1 928	76.0							
PLUMBING FACILITIES BY PERSONS PER ROOM	11 234	369	1 582	1 337	2 697	1 430	52	252	109	311	309	60	239	189	859	1 439	53.8								
	1 01 or more persons per room	201	32	61	103	7	-	-	15	-	-	11	5	-	-	-	-	45.3							
	Locking complete plumbing for exclusive use	87	4	-	5	-	-	-	7	-	-	-	-	-	-	-	-	40	-						
	1 01 or more persons per room	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979	With a mortgage	10 133	346	1 463	1 255	2 401	1 323	52	186	84	253	291	55	228	163	749	1 286	53.7							
	Less than 5 percent	4 782	325	1 383	983	984	112	38	161	56	86	6	42	195	158	173	80	36.9							
	5 to 10 percent	56	358	381	97	26	16	50	20	36	20	36	-	18	15	15	8	41.7							
	10 to 19 percent	1241	118	478	282	198	15	3	28	30	12	12	-	13	14	46	4	34.5							
	20 to 24 percent	797	53	277	205	125	80	31	16	6	34	7	-	7	4	20	22	42	19	35.4					
	25 to 29 percent	425	35	125	80	93	18	6	14	11	-	-	-	7	5	11	11	34.7							
	30 to 34 percent	199	20	93	52	17	101	46	2	22	-	25	6	31	63	59	39	30.0							
	35 percent or more	612	43	52	17	101	46	2	22	-	25	6	-	-	-	-	-	38.4							
	Not computed	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77.5							
	Median	18.6	19.5	18.5	17.0	14.9	14.9	32.3	20.0	20.8	16.3	17.9	-	45.9	45.9	37.2	27.5	29.7							
	Not mortgaged	5 355	21	80	272	1 417	1 211	236	-	14	25	28	167	285	13	33	5	206	65.2						
	Less than 10 percent	576	14	49	154	834	834	-	6	12	12	12	42	56	39	2	6	57.7							
	10 to 14 percent	1 074	7	11	86	343	191	-	150	282	20	33	21	-	-	146	146	61.2							
	15 to 19 percent	675	-	7	12	12	12	-	7	7	8	13	41	-	-	-	60	91	68.1						
	20 to 24 percent	453	-	7	14	14	41	-	131	-	-	15	48	6	-	-	59	130	70.1						
	25 to 29 percent	425	-	6	-	20	20	-	38	-	-	8	24	-	-	-	5	5	73.2						
	30 to 34 percent	186	-	-	6	21	162	-	7	-	-	19	70	5	-	-	8	18	50.0						
	35 percent or more	914	-	-	6	-	10	-	8	-	-	10.4	13.5	13.6	24.9	28.8	26.5	27.5	16.1	54.7					
	Not computed	30	-	-	10	-	10	-	8	-	-	10.4	13.5	13.6	24.9	28.8	26.5	27.5	16.1	29.8					
	Median	15.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.4						
Renter-occupied housing units	4 224	374	523	113	227	67	143	291	160	172	185	486	348	348	252	323	\$60	34.4							
PERSONS IN UNIT	1 person	1 784	190	182	190	135	5	54	85	243	92	143	160	192	86	53	210	522	55.1						
	2 persons	1 190	609	149	90	25	26	8	44	4	16	13	17	219	102	14	87	38	28.3						
	3 persons	327	32	143	33	30	24	10	5	-	8	8	-	65	102	106	5	-	32.4						
	4 persons	155	6	39	24	24	10	-	5	-	10	-	-	6	10	15	20	6	-	34.4					
	5 persons	159	5	61	43	24	6	-	5	-	10.4	1.37	1.10	1.08	1.73	2.36	3.06	1.27	1.04	...					
	6 or more persons	1 777	2.53	3.29	4.30	2.34	2.12	1.58	226	312	258	207	222	894	871	796	466	604	...						
Total persons	8 868	1 769	4.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
PLUMBING FACILITIES BY PERSONS PER ROOM	4 035	361	518	108	227	62	123	285	149	159	178	449	338	338	252	293	533	34.3							
	1 01 or more persons per room	118	13	30	18	6	5	5	-	6	11	7	37	18	6	22	-	35.7							
	Locking complete plumbing for exclusive use	189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-						
	1 01 or more persons per room	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979	4 175	374	517	107	222	67	143	291	155	166	185	486	340	340	252	317	533	34.2							
	Less than 15 percent	748	111	148	75	34	10	13	19	20	19	28	28	23	15	16	41	61	32.5						
	15 to 19 percent	466	65	27	78	18	24	8	24	18	15	7	47	63	43	16	5	37	28.7						
	20 to 24 percent	573	44	71	24	14	14	14	-	14	14	19	19	29	23	21	52	138	42.2						
	25 to 29 percent	430	221	43	24	14	8	-	-	-	-	26	34	14	23	23	23	88	32.6						
	30 to 34 percent	425	26	58	57	22	32	19	13	13	13	26	26	28	14	23	8	21	31	31.1					
	35 to 49 percent	1 092	52	6	22	32	46	19.7	5	5	4	45	41	20	174	66	66	141	117	34.9					
	50 percent or more	220	21.5	22.1	25.1	-	-	-	23.5	21.4	19.7	24.6	40.9	50.1	43.7	42.2	42.2	26.5	52.5						
	Not computed	272	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Median	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						

Table B-11. Age and Sex of Householder in One-Person Households for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and 8]

**Bay City city**

	Total	Male householder						Female householder					
		Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over
<b>Owner-occupied housing units</b>	<b>2 401</b>	<b>697</b>	<b>21</b>	<b>153</b>	<b>69</b>	<b>185</b>	<b>269</b>	<b>1 704</b>	<b>17</b>	<b>56</b>	<b>14</b>	<b>474</b>	<b>1 143</b>
<b>PLUMBING FACILITIES</b>													
Complete plumbing for exclusive use	2 357	686	21	146	69	185	265	1 671	17	56	14	474	1 110
Locking complete plumbing for exclusive use	44	11	-	7	-	-	4	33	-	-	-	-	33
<b>UNITS IN STRUCTURE</b>													
1, detached or attached	2 161	604	21	112	59	155	257	1 557	12	56	14	440	1 035
2 or more	181	66	-	35	5	14	12	115	-	-	-	18	97
Mobile home or trailer, etc.	59	27	-	6	5	16	-	32	5	-	-	16	11
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000	917	130	-	11	5	43	71	787	-	5	-	133	649
\$5,000 to \$9,999	825	248	7	28	8	50	155	577	-	14	6	161	396
\$10,000 to \$12,499	121	31	7	11	-	13	-	90	17	16	8	22	27
\$12,500 to \$14,999	148	81	7	18	-	21	35	67	-	-	-	36	29
\$15,000 to \$19,999	215	82	-	47	19	16	-	133	-	21	-	89	23
\$20,000 to \$24,999	116	84	-	38	13	25	8	32	-	-	-	17	15
\$25,000 to \$34,999	22	11	-	-	7	4	-	11	-	-	-	7	4
\$35,000 to \$49,999	25	25	-	-	12	13	-	-	-	-	-	-	-
\$50,000 or more	12	5	-	-	5	-	-	7	-	-	-	7	-
Median	\$6 376	\$9 171	\$11 250	\$15 531	\$20 481	\$9 948	\$6 541	\$5 456	\$11 250	\$11 406	\$10 313	\$7 702	\$4 662
Mean	\$8 681	\$11 922	\$11 310	\$14 065	\$23 223	\$12 674	\$7 335	\$7 355	\$10 784	\$11 681	\$9 342	\$10 384	\$5 812
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS</b>													
Specified owner-occupied housing units	2 046	577	21	108	59	149	240	1 469	12	56	14	410	977
With a mortgage	363	173	14	89	31	33	6	190	12	45	14	55	64
Less than \$200	36	6	-	-	-	-	6	30	-	-	-	14	16
\$200 to \$249	95	42	-	28	6	8	-	53	-	9	14	8	22
\$250 to \$299	64	41	7	28	6	-	-	23	-	8	-	7	6
\$300 to \$349	57	20	-	7	6	7	-	37	-	13	-	13	11
\$350 to \$399	40	21	7	14	-	-	-	19	12	-	-	7	-
\$400 to \$499	47	32	-	12	7	13	-	15	-	15	-	-	-
\$500 to \$599	7	-	-	-	-	-	-	7	-	-	-	-	7
\$600 to \$749	17	11	-	-	6	5	-	6	-	-	-	6	-
\$750 or more	-	-	-	-	-	-	-	-	-	-	-	-	-
Median	\$289	\$297	\$325	\$279	\$329	\$411	\$175	\$276	\$375	\$321	\$225	\$289	\$236
Not mortgaged	1 683	404	7	19	28	116	234	1 279	-	11	-	355	913
Less than \$50	-	-	-	-	-	-	-	-	-	-	-	-	-
\$50 to \$74	24	17	-	-	-	8	9	7	-	-	-	7	-
\$75 to \$99	110	25	-	-	-	14	11	65	-	-	-	12	73
\$100 to \$124	371	97	-	6	8	32	51	274	-	6	-	44	224
\$125 to \$149	498	104	-	-	-	35	69	394	-	5	-	104	285
\$150 to \$199	496	114	7	7	20	14	66	382	-	-	-	146	236
\$200 to \$249	153	47	-	6	-	13	28	106	-	-	-	25	81
\$250 or more	31	-	-	-	-	-	-	31	-	-	-	17	14
Median	\$142	\$140	\$175	\$175	\$165	\$128	\$142	\$142	-	\$123	-	\$154	\$139
<b>SELECTED CHARACTERISTICS</b>													
Median selected monthly owner costs as percentage of household income in 1979	29.4	24.4	31.3	27.6	15.9	16.9	27.0	33.0	45.0	29.4	29.4	25.4	37.1
With a mortgage	29.7	27.7	32.5	28.0	17.5	45.8	45.0	36.6	45.0	29.7	29.4	29.8	48.8
Not mortgaged	29.3	22.8	22.5	12.9	13.5	14.3	26.7	32.6	-	14.6	-	24.0	36.7
Income in 1979 below poverty level	436	83	-	11	5	26	41	353	-	-	-	78	275
Percent below poverty level	18.2	11.9	-	7.2	7.2	14.1	15.2	20.7	-	-	-	16.5	24.1
<b>Renter-occupied housing units</b>	<b>1 786</b>	<b>723</b>	<b>85</b>	<b>243</b>	<b>92</b>	<b>143</b>	<b>160</b>	<b>1 063</b>	<b>192</b>	<b>86</b>	<b>53</b>	<b>210</b>	<b>522</b>
<b>PLUMBING FACILITIES</b>													
Complete plumbing for exclusive use	1 687	670	65	237	85	130	153	1 017	186	86	53	197	495
Locking complete plumbing for exclusive use	99	53	20	6	7	13	7	46	6	-	-	13	27
<b>UNITS IN STRUCTURE</b>													
1, detached or attached	217	108	11	38	14	24	21	109	21	5	6	18	57
2	283	128	20	50	19	-	39	155	32	30	28	40	25
3 and 4	404	195	19	54	40	75	7	209	67	23	-	62	57
5 to 9	219	93	35	32	-	22	4	126	72	13	-	13	28
10 to 49	165	106	-	46	19	14	27	79	-	15	6	11	47
50 or more	478	93	-	23	-	8	62	385	-	-	11	66	308
Mobile home or trailer, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000	961	271	27	69	20	59	96	690	62	29	25	169	405
\$5,000 to \$9,999	361	142	28	59	-	13	42	219	65	39	21	12	82
\$10,000 to \$12,499	123	39	10	-	11	10	8	84	46	7	-	21	10
\$12,500 to \$14,999	84	62	13	37	5	7	-	22	8	-	-	8	6
\$15,000 to \$19,999	145	123	-	49	43	24	7	22	6	11	-	-	5
\$20,000 to \$24,999	67	49	-	22	13	14	-	18	5	-	7	-	6
\$25,000 to \$34,999	45	37	7	7	-	16	7	8	-	-	-	8	8
\$35,000 to \$49,999	-	-	-	-	-	-	-	-	-	-	-	-	-
\$50,000 or more	-	-	-	-	-	-	-	-	-	-	-	-	-
Median	\$4 771	\$7 382	\$6 615	\$9 293	\$16 563	\$9 821	\$4 551	\$4 272	\$7 429	\$6 944	\$5 625	\$3 632	\$4 000
Mean	\$7 340	\$9 974	\$8 780	\$10 470	\$13 668	\$11 409	\$6 448	\$5 548	\$7 468	\$7 738	\$7 337	\$4 204	\$4 840
<b>GROSS RENT</b>													
Specified renter-occupied housing units	1 768	712	85	243	87	137	160	1 056	192	86	53	210	515
Less than \$100	448	89	6	7	-	8	68	359	7	-	11	52	289
\$100 to \$149	286	127	23	20	20	35	29	159	26	8	7	57	61
\$150 to \$199	578	297	28	138	41	69	21	281	119	49	20	33	60
\$200 to \$249	261	114	11	46	18	11	28	147	28	21	15	42	41
\$250 to \$299	77	23	6	11	-	6	-	54	6	8	-	10	30
\$300 to \$349	56	35	6	21	8	-	-	21	-	-	-	-	21
\$350 to \$399	8	-	-	-	-	-	-	8	-	-	-	8	-
\$400 to \$499	-	-	-	-	-	-	-	-	-	-	-	-	-
\$500 or more	-	-	-	-	-	-	-	-	-	-	-	-	-
No cash rent	54	27	5	-	-	8	14	27	6	-	-	8	13
Median	\$159	\$166	\$175	\$184	\$170	\$157	\$103	\$149	\$181	\$177	\$172	\$139	\$90
<b>SELECTED CHARACTERISTICS</b>													
Median gross rent as percentage of household income in 1979	26.5	23.9	27.3	25.7	15.4	25.2	24.6	27.7	24.7	28.2	30.9	35.3	26.8
Income in 1979 below poverty level	654	164	19	57	20	32	36	490	55	16	25	131	263
Percent below poverty level	36.6	22.7	22.4	23.5	21.7	22.4	22.5	46.1	26.6	18.6	47.2	62.4	50.4

Table B-12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

**Bay City city**

Vacant for sale only housing units

ROOMS

	Total	Less than 2 months	2 up to 6 months	6 or more months
Vacant for sale only housing units	80	9	49	22
1 to 3 rooms	10	—	10	—
4 rooms	11	—	5	6
5 rooms	11	—	11	—
6 rooms	16	—	13	3
7 rooms	10	5	5	—
8 or more rooms	22	4	5	13
Median	6.0	7.4	5.4	7.7

PLUMBING FACILITIES

	Total	Less than 2 months	2 up to 6 months	6 or more months
Complete plumbing for exclusive use	80	9	49	22
Locking complete plumbing for exclusive use	—	—	—	—

BEDROOMS

	Total	Less than 2 months	2 up to 6 months	6 or more months
None	—	—	—	—
1	10	—	10	—
2	11	—	5	6
3	27	—	24	3
4	27	9	5	13
5 or more	5	—	5	—

YEAR STRUCTURE BUILT

	Total	Less than 2 months	2 up to 6 months	6 or more months
1975 to March 1980	—	—	—	—
1970 to 1974	—	—	—	—
1960 to 1969	—	—	—	—
1950 to 1959	5	—	5	—
1940 to 1949	6	—	6	—
1939 or earlier	69	9	38	22

UNITS IN STRUCTURE

	Total	Less than 2 months	2 up to 6 months	6 or more months
1, detached or attached	65	9	34	22
2 or more	15	—	15	—

Mobile home or trailer

HEATING EQUIPMENT

	Total	Less than 2 months	2 up to 6 months	6 or more months
Central heating system	75	4	49	22
Other means	5	5	—	—
None	—	—	—	—

PRICE ASKED

	Total	Less than 2 months	2 up to 6 months	6 or more months
Specified vacant for sale only housing units	65	9	34	22
Less than \$10,000	—	—	—	—
\$10,000 to \$19,999	17	5	5	7
\$20,000 to \$29,999	15	—	9	6
\$30,000 to \$39,999	20	—	11	9
\$40,000 to \$49,999	—	—	—	9
\$50,000 to \$59,999	8	4	4	5
\$60,000 to \$79,999	5	—	5	3
\$80,000 to \$99,999	—	—	—	5
\$100,000 or more	—	—	—	—
Median	\$30 800	\$14 500	\$36 400	\$29 200

**Bay City city**

Vacant for rent housing units

ROOMS

	Total	Less than 2 months	2 up to 6 months	6 or more months
Vacant for rent housing units	310	178	89	43
1 room	27	6	21	—
2 rooms	35	22	13	—
3 rooms	95	61	16	18
4 rooms	88	53	10	25
5 rooms	37	26	11	—
6 rooms	15	10	5	—
7 or more rooms	13	—	13	—
Median	3.5	3.5	3.2	3.6

PLUMBING FACILITIES

	Total	Less than 2 months	2 up to 6 months	6 or more months
Complete plumbing for exclusive use	287	170	74	43
Locking complete plumbing for exclusive use	23	8	15	—

BEDROOMS

	Total	Less than 2 months	2 up to 6 months	6 or more months
None	34	13	21	—
1	170	113	39	18
2	83	47	11	25
3	11	—	11	—
4	7	—	7	—
5 or more	5	5	—	—

YEAR STRUCTURE BUILT

	Total	Less than 2 months	2 up to 6 months	6 or more months
1975 to March 1980	7	7	—	—
1970 to 1974	15	—	6	9
1960 to 1969	9	3	6	—
1950 to 1959	13	8	5	—
1940 to 1949	43	38	5	—
1939 or earlier	223	122	67	34

UNITS IN STRUCTURE

	Total	Less than 2 months	2 up to 6 months	6 or more months
1, detached or attached	37	16	11	10
2	77	43	17	17
3 and 4	107	83	8	16
5 to 9	58	30	28	—
10 to 49	25	6	19	—
50 or more	6	—	6	—
Mobile home or trailer	—	—	—	—

RENT ASKED

	Total	Less than 2 months	2 up to 6 months	6 or more months
Specified vacant for rent housing units	310	178	89	43
Less than \$100	20	—	6	14
\$100 to \$149	21	15	6	—
\$150 to \$199	141	83	38	20
\$200 to \$249	96	59	28	9
\$250 to \$299	25	20	5	—
\$300 to \$399	7	1	6	—
\$400 or more	—	—	—	—
Median	\$194	\$197	\$195	\$158

Table B-13. Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

**Bay City city**

Price asked—Specified vacant for sale only housing units

Rent asked—Specified vacant for rent housing units

	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollars)	Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or more	Median (dollars)
Total	65	—	32	20	13	—	30 800	310	20	162	121	7	—	194
PLUMBING FACILITIES	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Complete plumbing for exclusive use	65	—	32	20	13	—	30 800	287	20	139	121	7	—	196
Locking complete plumbing for exclusive use	—	—	—	—	—	—	—	23	—	23	—	—	—	166
BEDROOMS	—	—	—	—	—	—	—	—	—	—	—	—	—	—
None	—	—	—	—	—	—	—	34	—	34	—	—	—	167
1	—	—	—	—	—	—	—	170	14	80	76	—	—	196
2	6	6	—	—	—	—	28 800	83	6	41	35	—	—	196
3	27	—	14	9	4	—	29 900	11	—	—	5	6	—	354
4	27	—	12	11	4	—	35 700	7	—	7	—	—	—	175
5 or more	5	—	—	—	5	—	62 500	5	—	—	5	—	—	288
YEAR STRUCTURE BUILT	—	—	—	—	—	—	—	7	—	7	—	—	—	195
1975 to March 1980	—	—	—	—	—	—	—	15	6	—	9	—	—	204
1970 to 1974	—	—	—	—	—	—	—	9	—	—	—	—	—	193
1960 to 1969	—	—	—	—	—	—	—	—	—	—	—	—	—	198
1950 to 1959	5	—	—	—	5	—	62 500	13	—	8	5	—	—	197
1940 to 1949	6	—	—	—	6	—	37 500	43	—	26	16	1	—	185
1939 or earlier	54	—	32	14	8	—	29 200	223	14	112	91	6	—	—
UNITS IN STRUCTURE	—	—	—	—	—	—	—	37	6	25	5	1	—	174
1, detached or attached	65	—	32	20	13	—	30 800	273	14	137	116	6	—	196
2 or more	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile home or trailer	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## Appendix A.—Area Classifications

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### REGIONS

Regions are large groups of States that form the first-order subdivisions of the United States for census purposes. The four regions are the Northeast, North Central, South, and West.

### STATES

The 50 States and the District of Columbia are the constituent units of the United States.

### PLACES

Two types of places are recognized in the census reports—incorporated places and census designated places—as defined below. Places with a 1980 population below 50,000 are not shown in this report unless they are central cities of standard metropolitan statistical areas.

#### Incorporated Places

Incorporated places recognized in the reports of the census are those which are incorporated under the laws of their respective States as cities, boroughs, towns, and villages, with the following exceptions: boroughs in Alaska and New York, and towns in the six

New England States, New York, and Wisconsin.

#### Census Designated Places

As in the 1950, 1960, and 1970 censuses, the Census Bureau has delineated boundaries for closely settled population centers without corporate limits. In 1980, the name of each such place is followed by "(CDP)," meaning "census designated place." In the 1970 and earlier censuses, these places were identified by "(U)," meaning "unincorporated place."

Census designated place boundaries change with changes in the settlement pattern; a place which has the same name as in previous censuses does not necessarily have the same boundaries. Boundary outlines for CDP's appear on the county subdivision maps in the HC80-1-A, *General Housing Characteristics*, reports for States. Detailed maps are available for purchase from the Census Bureau.

Eleven states, (Connecticut, Maine, Massachusetts, Michigan, New Hampshire, New York, New Jersey, Pennsylvania, Rhode Island, Vermont, and Wisconsin), contain towns or townships which are coextensive with census designated places (CDP's). Data for these areas are not shown in the tables.

### STANDARD METROPOLITAN STATISTICAL AREAS

#### Definition

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. The standard metropolitan statistical area (SMSA) classification is a statistical standard, developed for use by Federal agencies in the production, analysis, and publication of data on metropolitan areas. The SMSA's are designated and defined

by the Office of Management and Budget, following a set of official published standards developed by the interagency Federal Committee on Standard Metropolitan Statistical Areas.

Each SMSA has one or more central counties containing the area's main population concentration: an urbanized area with at least 50,000 inhabitants. An SMSA may also include outlying counties which have close economic and social relationships with the central counties. The outlying counties must have a specified level of commuting to the central counties and must also meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. In New England, SMSA's are composed of cities and towns rather than whole counties.

The housing units in SMSA's may also be referred to as the metropolitan housing and are subdivided into "inside central city (or cities)" and "outside central city (or cities)." The housing units outside SMSA's constitute the non-metropolitan housing.

In the United States Summary report and the State reports, the data shown for "Central Cities of SMSA's" are the sum of all central cities excluding any rural area and any legal area that is outside of a standard metropolitan statistical area. In the individual SMSA reports, the data shown for central cities and places of 50,000 or more inhabitants are for the legal definition of the city without regard to urban or SMSA restrictions.

#### SMSA Titles

Each SMSA except one (Nassau-Suffolk, N.Y.) has at least one central city. The titles of SMSA's include up to three city names, as well as the name of each State into which the SMSA extends. For the 1980 census, central cities of SMSA's are those named in the titles of the SMSA's,

with the exception of Nassau-Suffolk, N.Y., which has no central city, and Northeast Pennsylvania, the central cities of which are Scranton, Wilkes-Barre, and Hazleton. Data on central cities of SMSA's include the entire population and housing within the legal city boundaries. In Hawaii where there are no incorporated places recognized by the Bureau of the Census, census designated places are recognized as central cities.

### New SMSA Standards

New standards for designating and defining metropolitan statistical areas were published in the *Federal Register* on January 3, 1980. The SMSA's recognized for the 1980 census comprise (1) all areas as defined on January 1, 1980, except for one area which was defined provisionally during the 1970's on the

basis of population estimates but whose qualification was not confirmed by 1980 census counts; and (2) a group of 36 new areas defined on the basis of 1980 census counts and the new standards that were published on January 3, 1980.

When the data on commuting flows become available from 1980 census tabulations, the new standards will be applied to the areas existing on January 1, 1980, and the boundaries, definitions, and titles for all SMSA's will be reviewed.

To aid users who want to become familiar with the SMSA standards and how they are applied, documents are available from the Office of Management and Budget, Washington, D.C. 20503.

### BOUNDARY CHANGES

The boundaries of some of the areas shown in this series of reports have

changed between an earlier census and January 1, 1980. Information on boundary changes for incorporated places is presented in table 4 of the 1980 Census of Population report, *Characteristics of the Population, Number of Inhabitants*, PC80-1-A. For information on boundary changes prior to 1970, see the *Number of Inhabitants* report for each census.

### AREA MEASUREMENT

Area measurement figures for standard metropolitan statistical areas, central cities, and places of 50,000 inhabitants or more can be found in the 1980 Census of Population report, PC80-1-A1, United States Summary.

## Appendix B.—Definitions and Explanations of Subject Characteristics

GENERAL . . . . .	B-1	Persons . . . . .	B-6	determinant for the responses was, therefore, the questionnaire and its accompanying instruction guide. Furthermore, census takers were instructed, in their telephone and personal-visit interviews, to read the questions directly from the questionnaire. The definitions and explanations given below for each subject are drawn largely from various technical and procedural materials used in the collection of the data. These materials helped the census interviewers to understand more fully the intent of each question, and thus to resolve problems or unusual cases in a manner consistent with this intent. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.
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UTILIZATION CHARACTERISTICS . . . . .	B-5	<b>GENERAL</b>		
	B-6	The 1980 census was conducted primarily through self-enumeration. The principal		

### LIVING QUARTERS

Living quarters are classified in the census as either housing units or group quarters. Usually, living quarters are in structures intended for residential use (e.g., a one-family home, apartment house, hotel or motel, boarding house, mobile home or trailer). However, living quarters may also be in structures intended for nonresidential use (e.g., the rooms in a warehouse where a night guard lives), as well as in boats, tents, vans, etc.

**Housing Units**—A housing unit is a house, an apartment, a group of rooms, or a single room occupied as a separate living quarters or, if vacant, intended for occupancy as a separate living quarters. Separate living quarters are those in which the occupants live and eat separately from

any other persons in the building and which have direct access from the outside of the building or through a common hall. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements (except as described in the next section on Group Quarters). For vacant units, the criteria of separateness and direct access are applied to the intended occupants whenever possible. If that information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing unit inventory except that boats, tents, vans, caves, and the like are included only if they are occupied as someone's usual place of residence. Vacant mobile homes are included, provided they are intended for occupancy on the site where they stand. Vacant mobile homes on dealers' sales lots, at the factory, or in storage are excluded from the housing inventory.

**Comparability With 1970 Census Housing Unit Data**—Although the 1980 census data are generally comparable with 1970 census data, certain changes were introduced for 1980. The part of the 1970 housing unit definition that required a unit to have either (1) direct access or (2) complete kitchen facilities was modified. For 1980, the complete kitchen facilities alternative was dropped, and direct access was required of all housing units. In 1970, vacant mobile homes were not counted as housing units. For 1980, they were included in the housing inventory provided they were intended for occupancy on the site where they stood.

**Group Quarters**—Group quarters are any living quarters which are not classified as housing units. There are two types of group quarters: (1) institutional group quarters, and (2) noninstitutional group quarters. Institutional group quarters are living quarters occupied by one or more persons under care or custody, such as children in an orphanage, persons in a nursing home, and prisoners in a penitentiary. Noninstitutional group quarters include living quarters such as college-owned and/or operated dormitories, fraternity and sorority houses, nurses' dormitories, and boarding houses. In addition, noninstitutional group quarters include any living

quarters (other than those classified as institutional group quarters) which are occupied by 9 or more persons unrelated to the householder (person listed in column 1 of the census questionnaire), or by 10 or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the census.

**Comparability With 1970 Census Group Quarters Data**—In 1970 a unit was classified as group quarters if it was shared by the person in charge and five or more persons unrelated to him or her, or if there was no person in charge, by six or more unrelated persons. For 1980 that requirement was raised to 9 or more persons unrelated to the person listed in column 1 of the census questionnaire or 10 or more unrelated persons.

**Rules for Hotels, Rooming Houses, Etc.**—Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or who have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have direct access, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain eight or fewer roomers unrelated to the householder, they are classified as one housing unit. If the combined quarters contain nine or more roomers unrelated to the householder or person in charge, they are classified as group quarters.

**Staff Living Quarters**—The living quarters occupied by staff personnel within any group quarters are separate housing units if they satisfy the housing unit criteria of separateness and direct access; otherwise, they are considered as group quarters.

**Year-Round Housing Units**—Data on housing characteristics in the 1980 census reports are limited to year-round housing units; i.e., all occupied units plus vacant

units available or intended for year-round use. Vacant units intended for seasonal occupancy and vacant units held for migratory labor are excluded because of the difficulty of obtaining reliable data on their characteristics.

### OCCUPANCY AND VACANCY CHARACTERISTICS

**Occupied Housing Units**—A housing unit is classified as occupied if it is the usual place of residence of the person or group of persons living in it at the time of enumeration, or if the occupants are only temporarily absent; e.g., away on vacation. If all the persons staying in the unit at the time of the census have their usual place of residence elsewhere, the unit is classified as vacant. A household includes all the persons who occupy a housing unit as their usual place of residence. By definition, therefore, the number of occupied housing units equals the number of households in the 1980 Census of Population reports.

In this report the numbers shown for occupied housing units are estimates based on a sample. In some cases there may be small differences between figures on occupied housing units shown here and comparable figures on households in the Census of Population reports. These differences may result from processing procedures used to inflate the population and housing sample data.

**Householder**—One person in each household is designated as the "householder." In most cases, this is the person, or one of the persons, in whose name the home is owned or rented and who is listed in column 1 of the census questionnaire. If there is no such person in the household, any adult household member could be designated as the "householder."

**Child**—A child is a son, daughter, stepchild, or adopted child of the householder regardless of the child's age or marital status. The category excludes sons-in-law and daughters-in-law. In this report, those classified as "own children" are sons and daughters, including stepchildren and adopted children, of the householder who are single (never married) and under 18 years of age.

**Nonrelative**—A nonrelative is any person in the household not related to the householder by birth, marriage, or adoption. Roomers, boarders, partners, roommates, paid employees, wards, and foster children are classified as nonrelatives. This report shows the number of households with one or more nonrelatives present in the unit.

**Age of Householder**—The age classification is based on the age of the person in completed years as of April 1, 1980. The data on age represent the difference, as calculated in the computer, between date of birth and April 1, 1980.

**Household Type**—Statistics by age of householder are presented separately for the following household types:

*Married-couple families.* For each household of this type, the householder and his or her spouse are enumerated as members of the same household. This category includes couples in formal marriages as well as in common-law marriages.

*Male householder, no wife present.* This type includes any household maintained by a male, regardless of his marital status, provided no wife is present in the household. Included are male householders who have no wife; male householders whose wives live elsewhere because of separation (marital discord) or other reason; and male householders who are widowed, divorced, or single.

*Female householder, no husband present.* This type includes any household maintained by a female, regardless of her marital status, provided no husband is present in the household. Included are female householders who have no husband and female householders whose husbands live elsewhere, as, for example, husbands in the Armed Forces living on a military base and female householders who are widowed, divorced, or single.

This report presents data on selected characteristics for one-person households, separately for male and female householders.

**Year Householder Moved Into Unit**—Data presented for this item are based on the in-

formation reported for the householder and refer to the year of the latest move. If the householder moved back into a unit the person previously occupied, the year of the latest move was reported. If the householder moved from one apartment to another in the same building, the year the householder moved into the present apartment was reported. The intent is to establish the year the present occupancy by the householder began. The year in which a householder moved is not necessarily the same year as the year other members of the household moved, although in the majority of cases the entire household moved at the same time (see question H19 in appendix E).

**Vacant Housing Units**—A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. Units temporarily occupied at the time of enumeration entirely by persons who have a usual residence elsewhere are also classified as vacant.

New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if they are open to the elements; i.e., the roof, walls, windows, and/or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is to be demolished or is condemned. Also excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

**Vacancy Status**—The data on vacancy status were tabulated from responses to questionnaire item C (see item C in appendix E). The data presented in this report are for year-round housing units "Vacant for sale only" and "Vacant for rent."

*For sale only.* Vacant year-round units being offered "For sale only," including individual units in cooperatives and condominium projects if the individual units are offered "For sale only."

*For rent.* Vacant year-round units offered "For rent," and vacant units offered either for rent or for sale.

**Duration of Vacancy**—The statistics on duration of vacancy refer to the length of time (in months) from the date the last occupants moved from the unit to the date of enumeration (see item D in appendix E). The data, therefore, do not provide a direct measure of the total length of time units remain vacant. For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed.

**Tenure**—A housing unit is "Owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. All other occupied units are classified as "Renter occupied," including units rented for cash rent and those occupied without payment of cash rent (see question H8 in appendix E).

**Condominium Housing Units**—A condominium involves ownership that enables a person to own an apartment or house in a development of similar units and to hold a common or joint ownership in common areas, hallways, entrances, elevators, etc. The owner has a deed to the individual unit, and, very likely, a mortgage on the unit. A condominium housing unit need not be occupied by the owner to be counted as such (see question H9 in appendix E).

**Comparability With 1970 Census Condominium Housing Unit Data**—In 1970, owner-occupied cooperatives and condominium housing units were identified together. The 1980 census identifies only condominium housing units. The 1980 question provides data on vacant and renter-occupied condominium housing units, not just owner-occupied condominium housing units as in 1970.

**Race of the Householder**—The data on race of the householder were derived from the answer to question 4, for the person listed in column 1 of the census questionnaire (see appendix E). The concept of race as used by the Census Bureau reflects self-identification by respondents; it does not denote any clear-cut scientific definition of biological stock. Since the 1980 census obtained information on race through self-identification, the data represent self-classification by people according

to the race with which they identify. In this report, data are presented for housing units classified by the race of the householder.

For persons who could not provide a single response to the race question, the race of the person's mother was used; if, however, a single response could not be provided for the person's mother, the first race reported by the person was used. This is a modification of the 1970 census procedure in which the race of the person's father was used.

The category "White" includes persons who indicated their race as White, as well as persons who did not classify themselves in one of the specific race categories listed on the questionnaire but entered a response such as Canadian, German, Italian, Lebanese, or Polish. In the 1980 census, persons who did not classify themselves in one of the specific race categories but marked "Other" and/or wrote in entries such as Cuban, Puerto Rican, Mexican, or Dominican were included in the "Other" race category. In the 1970 census, most of these persons were included in the "White" category.

The category "Black" includes persons who indicated their race as Black or Negro, as well as persons who did not classify themselves in one of the specific race categories listed in the questionnaire but reported entries such as Jamaican, Black Puerto Rican, West Indian, Haitian, or Nigerian.

The category "American Indian, Eskimo, or Aleut" includes persons who classified themselves as such in one of the specific race categories. In addition, persons who did not report themselves in one of the specific race categories but entered the name of an Indian tribe or wrote in such entries as Canadian Indian, French-American Indian, or Spanish-American Indian were classified as "American Indian."

The category "Asian or Pacific Islander" includes persons who indicated their race as Chinese, Filipino, Japanese, Asian Indian, Korean, Vietnamese, Hawaiian, Samoan, and Guamanian, as well as persons who provided write-in entries of Asian and Pacific Islander groups such as Cambodian, Laotian, Pakistani, or Fijian under the "Other" race category. Also, persons who did not classify themselves in one of the specific race categories but wrote in an entry indicating one of the nine specific categories listed above (e.g., Chinese or Filipino) were classified accordingly. For example, entries of Nipponese and

Japanese American were classified as Japanese, entries of Taiwanese and Cantonese as Chinese, etc. "Race, n.e.c." includes all other persons not in the categories "White," "Black," "American Indian, Eskimo, or Aleut," and "Asian or Pacific Islander." Persons reporting in the "Other" race category and providing write-in entries such as Eurasian, Cosmopolitan, Interracial, or a Spanish origin group (e.g., Mexican, Cuban, or Puerto Rican) were included in "Race, n.e.c."

If the race entry for the householder was missing on the questionnaire, an answer was assigned in the computer according to the reported entries of race of other household members using specific rules of precedence of household relationship. If race was not entered for anyone in the household (excluding paid employees), the race of a householder in a previously processed household was assigned. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

**Comparability Between Sample and 100-Percent Data for Race of the Householder**—Estimates of the number of householders by race shown in this report may differ from complete count figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and an additional edit and review performed on the sample questionnaires. Sampling variability and nonsampling error are explained in Appendix D, "Accuracy of the Data." The effect of the additional edit and review procedures varies substantially by racial group and geographic area but is generally negligible. A discussion of these procedures may be found in Series HC80-1-B, *Detailed Housing Characteristics*, and PC80-1-C, *Social and Economic Characteristics of the Population*.

**Comparability With 1970 Census Data on Race of the Householder**—Differences in census procedures and reporting by respondents in the 1980 census and 1970 census seriously affect the comparability for certain race groups. First, a large number of Spanish origin persons reported their race differently in the 1980 census than in the 1970 census. This difference in reporting has a substantial impact on the population totals and

comparability for the "White" population and the "Race, n.e.c." or "Other" race populations (shown as "All other races" in most 1970 publications). A much larger proportion of the Spanish origin population in 1980 than in 1970 reported their race in the questionnaire category "Other." Second, in 1970, most persons who marked the "Other" race category and wrote in a Spanish designation such as Mexican, Venezuelan, Latino, etc., were reclassified as "White." In 1980, such persons were not reclassified but remained in the "Other" race category. As a result of this procedural change and the differences in reporting by this population, the proportion of the Spanish origin population classified as "Other" race in the 1980 census was substantially higher than that in the 1970 census. Nationally in 1970, only 1 percent of the Spanish origin persons were classified as "Other" race and 93 percent as "White." The 1980 census sample data showed a much larger proportion—38 percent—of the Spanish origin persons reported their race as "Other" and only 58 percent reported "White." As a consequence of these differences, 1980 householder totals for "White" and "Race, n.e.c." are not comparable with corresponding 1970 figures.

The 1980 census was the first in which data were collected separately for Eskimos and Aleuts in all States. In 1970, these data were available only for Alaska. Since Eskimos and Aleuts are highly concentrated in Alaska, these changes do not seriously affect the comparability of 1980 and 1970 data for these racial groups at the national level.

The 1980 total for the Asian and Pacific Islander population reflects a high level of immigration during the 1970's as well as a number of changes in census procedures which were developed, in part, as a result of this high level of immigration. First, the number of Asian and Pacific Islander categories listed separately on the 1980 census questionnaire was expanded over that in 1970 to include four additional groups: Vietnamese, Asian Indian, Guamanian, and Samoan. Asian Indians were classified as "White" in 1970 but were included in the "Asian and Pacific Islander" category in 1980. The Vietnamese, Guamanian, and Samoan populations were included in the "Other" race

category in the 1970 census but were included in the "Asian and Pacific Islander" category in 1980. Second, "Other Asian and Pacific Islander" groups such as Cambodian, Laotian, Pakistani, and Fijian were identified and tabulated as Asian and Pacific Islander in sample tabulations in the 1980 census; in 1970, most of these groups were included in the "Other" race category.

In 1980, data were collected separately for Hawaiians and Koreans in all States, but in 1970 data for the two groups were not collected for Alaska. (On the 1970 census questionnaire used in Alaska, Eskimo and Aleut were substituted for these two categories.) Since the numbers of Hawaiians and Koreans were small in Alaska, this questionnaire change does not have a major impact on the comparability of the 1980 and 1970 data for Hawaiians and Koreans at the national level.

**Spanish/Hispanic Origin of the Householder**—The data on Spanish/Hispanic origin or descent of householder were derived from answers to question 7, for the person listed in column 1 of the census questionnaire (see appendix E).

Persons of Spanish/Hispanic origin or descent are those who reported either Mexican, Puerto Rican, Cuban, or other Spanish/Hispanic origin in question 7. Persons who reported "Other Spanish/Hispanic" origin are those whose origin is from Spain or the Spanish-speaking countries of Central or South America, or they are persons identifying their origin or descent as being Spanish, Spanish-American, Hispano, Latino, etc. Origin or descent can be regarded as the ancestry, nationality group, lineage, or country in which the person or person's parents or ancestors were born before their arrival in the United States. It is important to note that persons of Spanish origin may be of any race. In this report, data are presented for housing units classified by the Spanish origin of the householder.

Persons of more than one Spanish origin and persons of both a Spanish and another origin who were in doubt as to how to report a specific origin were classified according to the origin of the person's mother. If a single origin could not be provided for the person's mother, the first origin reported by the person was recorded.

If the householder failed to respond to the Spanish/Hispanic origin question, a response was assigned by computer in the

sample edit operation according to available related information such as ancestry and place of birth reported for the householder. If such information was not reported, origin was assigned from entries of other household members using specific rules of precedence of household relationship. If no origin was reported for any household member (excluding a paid employee), then an origin was assigned from another household with a householder of the same race. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

**Limitations of the Data on Householders of Spanish/Hispanic Origin**—A preliminary evaluation study of the reporting in the 1980 census item on Spanish origin indicated that there was misreporting in the Mexican origin category by White and Black persons in certain areas. The study results showed evidence that the misreporting occurred mainly in the South (excluding Texas), the Northeast (excluding the New York City area), and a few States in the North Central Region. Also, results based on available data suggest that the impact of potential misreporting of Mexican origin in the 1980 census is severe in those portions of the above-mentioned regions where the Spanish origin population is generally sparse. However, 1980 census data on the Mexican origin population or total Spanish origin population, at the national level, are not seriously affected by the reporting problem. For a more detailed discussion of the evaluation of the Spanish origin item, see the 1980 Population Census Supplementary reports, Series PC80-S1-7, "Persons of Spanish Origin by State: 1980."

**Comparability Between Sample and 100-Percent Data on Householders of Spanish/Hispanic Origin**—The data on householders of Spanish origin shown in this report may differ from comparable figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and more extensive edit procedures performed for the Spanish origin item on the sample questionnaires. The data in this report are based on a sample, whereas certain other reports (e.g., the HC80-1-A series) present data based on 100-percent tabulations. Sample data are subject to sampling variability, as explained in Appendix D, "Accuracy of the Data."

Information now available indicates that, since the effects of the more extensive edit were generally limited, the 100-percent tabulations are usually the preferable source for data on householders of Spanish origin. That is, in the case of figures available for Spanish origin groups, both in this report and for corresponding areas in the HC80-1-A report, the latter source is usually the preferred one. In the case of distributions for subjects covered only on a sample basis (e.g., units in structure, mortgage status and selected monthly owner costs, gross rent, etc.), the sample figures are the only data available and should be used within the context of the sampling variability associated with them.

**Comparability With 1970 Census Data on Householders of Spanish Origin and Householders of Spanish Heritage**—The 1980 census figures on householders of Spanish origin are not directly comparable with the 1970 census data on householders of Spanish origin because of a number of factors; namely, overall improvements in the 1980 census, better coverage of the population, improved question design, and an effective public relations campaign by the Census Bureau with the assistance of national and community ethnic groups. These efforts at census improvements explain, in part, the large increase in the number of Hispanics over 1970. Also, these efforts undoubtedly resulted in the inclusion of a sizable but unknown number of persons of Spanish/Hispanic origin who are in the country in other than legal status.

In the 1980 census Spanish origin question, specific changes in design from the 1970 question included the placement of the category "No (not Spanish/Hispanic)" as the first category in that question. (The corresponding category appeared last in the 1970 question.) Also, the 1970 category "Central or South American" was deleted from the 1980 question because in 1970 some respondents misinterpreted the category. Furthermore, the designations "Mexican-American" and "Chicano" were added to the Spanish origin question in 1980. In the 1970 census, the question on Spanish origin was asked of only a 5-percent sample of the population; in the 1980 census, the Spanish origin question was asked of everyone in the Nation.

The 1970 Census Metropolitan Housing Characteristics reports present data on housing units occupied by householders of Spanish heritage. In the 1970 census, the

category Spanish heritage was created to consolidate data for Spanish ancestry persons in various parts of the United States. The Spanish heritage population, therefore, was specifically termed when reference was made to particular areas. For example, in five southwestern States (Arizona, California, Colorado, New Mexico, and Texas) the population of Spanish heritage was specified as the population of Spanish language or surname; in three mid-Atlantic States (New York, New Jersey, and Pennsylvania), as the population of Puerto Rican birth or parentage; and in the remaining 42 States and the District of Columbia, as the population of Spanish language. The information for the population of Spanish heritage was obtained from the 15-percent sample of the census questionnaires. Data for this group of householders are not comparable to the 1980 census data on householders of Spanish origin which were based only on responses to the specific census question on Spanish/Hispanic origin for the person listed in column 1 of the census questionnaire.

### UTILIZATION CHARACTERISTICS

**Persons**—All persons occupying the housing unit are included. These persons include not only occupants related to the householder but also any lodgers, roomers, boarders, partners, roommates, wards, foster children, and resident employees who share the living quarters of the householder. The data on "Persons in unit" show the number of housing units occupied by the specified number of persons. "Total persons" is the total number of persons living in the housing units in the particular category.

**Rooms**—The statistics on "Rooms" are in terms of the number of housing units with a specified number of rooms (see question H7 in appendix E). The intent of this question is to count the number of whole rooms used for living purposes. For each unit they include living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, enclosed porches suitable for year-round use, and lodger's rooms. Excluded are strip or pullman kitchens, bathrooms, open porches, balconies, halls, half-rooms, utility rooms, unfinished attics or basements, or other unfinished space used for storage. A partially divided room is a separate room only if there is a partition from floor to ceiling.

**Persons Per Room**—"Persons per room" is a derived measure obtained by dividing the

number of persons in each occupied housing unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of occupied housing units having the specified ratio of persons per room.

**Bedrooms**—The number of "Bedrooms" in the unit is the count of rooms used mainly for sleeping, even if also used for other purposes. Rooms reserved for sleeping, such as guest rooms, even though used infrequently, are counted as bedrooms. On the other hand, rooms used mainly for other purposes, even though used also for sleeping, such as a living room with a sofa bed, are not considered bedrooms. A housing unit consisting of only one room, such as a one-room efficiency apartment, is classified, by definition, as having no bedroom (see question H24 in appendix E).

### STRUCTURAL CHARACTERISTICS

**Year Structure Built**—"Year structure built" refers to when the building was first constructed, not when it was remodeled, added to, or converted. For a houseboat or mobile home or trailer, the manufacturer's model year is assumed to be the year built. The figures shown in this report relate to the number of units in structures built during the specified periods and in existence at the time of enumeration (see question H18 in appendix E).

**Units in Structure**—A structure is a separate building that either has open space on all sides or is separated from other structures by dividing walls that extend from ground to roof. In the determination of the number of units in a structure, all housing units, both occupied and vacant, were counted. The statistics are presented for the number of housing units in structures of specified type and size, not for the number of residential buildings. The category "Mobile home or trailer, etc." includes mobile homes, trailers, boats, tents, vans, etc. (see question H13 in appendix E).

**Stories in Structure**—The count of stories (floors) in structure includes basements or attics if these contain finished rooms for living purposes (see question H14a in appendix E).

**Passenger Elevator**—Statistics on elevator in structure are presented for housing units in structures with four or more stories or floors. If the housing units in structures with four or

more stories have an elevator used only for freight, the units are not included in the category "With elevator" (see question H14b in appendix E).

### PLUMBING CHARACTERISTICS

**Plumbing Facilities**—The category "Complete plumbing for exclusive use" consists of units which have hot and cold piped water, a flush toilet, and a bathtub or shower inside the housing unit for the exclusive use of the occupants of the unit. "Lacking complete plumbing for exclusive use" includes those conditions when (1) all three specified plumbing facilities are present inside the unit, but are also used by another household; (2) some but not all the facilities are present; or (3) none of the three specified plumbing facilities is present (see question H6 in appendix E).

**Comparability With 1970 Census Plumbing Facilities Data**—In 1970, there were separate questions on the presence of hot and cold piped water, a bathtub or shower, and a flush toilet. For 1980, these three items were combined into a single question on plumbing facilities. In addition, the facilities must be inside the housing unit rather than inside the structure as in 1970.

### EQUIPMENT AND FUELS

**Heating Equipment**—Respondents were asked to report the type of heating equipment used as the primary source of heat for their housing unit. The categories shown in the report are: (1) steam or hot water system; (2) central warm-air furnace or electric heat pump; (3) other built-in electric units; (4) floor, wall, or pipeless furnace; and (5) other means. "Other means" includes room heaters with flue or vent that burn gas, oil, or kerosene; nonportable room heaters without flue or vent that burn gas, oil, or kerosene; and fireplaces, stoves, or portable room heaters of any kind that can be picked up and moved. A central heating system includes types (1) through (4) listed above. For vacant units which have had the heating equipment removed, the kind of equipment used by the previous occupants is considered to be the heating equipment for the unit (see question H20 in appendix E).

**Comparability With 1970 Census Heating Equipment Data**—In 1970, central

heat pumps were included as part of the category "Warm-air furnace" and individual room heat pumps were included in the category "Built-in electric units." In 1980, heat pumps have been combined and are included in this report in the category "Central warm-air furnace or electric heat pump."

**Air Conditioning**—"Air conditioning" is defined as the cooling of air by a refrigeration unit. It does not include evaporative coolers, fans, or blowers which are not connected to a refrigeration unit; however, it does include heat pumps. A central system is an installation which air conditions a number of rooms. In an apartment building, such a system may cool all apartments in the building, each apartment may have its own central system, or there may be several systems, each providing central air conditioning for a group of apartments. A system with individual room controls is a central system. A room unit is an individual air conditioner which is installed in a window or an outside wall and is generally intended to cool one room, although it may sometimes be used to cool more than one room (see question H27 in appendix E).

**Vehicles Available**—Data for this item refer to the number of households with vehicles available at home for the use of the members of the household. Included in this item are passenger cars, pickup trucks, small panel trucks of one-ton capacity or less, as well as station wagons, company cars, and taxicabs kept at home for use of household members. Cars rented or leased for 1 month or more; police and government cars kept at home; and company vans and trucks of 1-ton capacity or less are also included if kept at home and used for nonbusiness purposes. Dismantled cars, immobile cars used as a source of power for some piece of machinery, and cars, vans, and trucks kept at home but used only for business purposes are excluded. The statistics do not reflect the number of vehicles privately owned or the number of households owning vehicles (see questions H28 and H29 in appendix E).

**Comparability With 1970 Census Automobiles Available Data**—In 1970, only data on the number of households with automobiles which were owned or regularly used by members of the household were obtained. Taxicabs, pickups, or large trucks were not counted. In 1980, the data on automobiles available include taxicabs if kept at home for use of household members but exclude pickups or larger trucks. Separate

data were obtained in 1980 on the number of housing units with vans or trucks of 1-ton capacity or less kept at home for use of members of the household.

### Fuels Used for House Heating and Water Heating

**Heating**—"Utility gas" is gas piped through underground pipes from a central system that serves the neighborhood. "Bottled, tank, or LP gas" is stored in tanks which are refilled or exchanged when empty. "Fuel oil, kerosene, etc." includes fuel oil, kerosene, gasoline, alcohol, and other combustible liquids. For data on house heating fuel, the category "Other" includes any other fuel such as purchased steam, coal dust, briquettes made of pitch and sawdust, waste materials such as corn cobs, etc. For data on water heating fuel, the category "Other" also includes coal or coke, and wood (see question H21 in appendix E).

## FINANCIAL CHARACTERISTICS

**Value**—Value is the respondent's estimate of how much the property (house and lot) would sell for, if it were for sale (see question H11 in appendix E).

Value is tabulated for certain kinds of housing units. Value statistics are presented for "Specified owner-occupied" housing units. These "specified" housing units include only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. The "Specified owner-occupied" universes are the same for the value tabulation and the mortgage status and selected monthly owner costs tabulation.

**Price Asked**—For vacant for sale only housing units, the price asked is the amount asked for the property at the time of enumeration. The statistics on price asked are shown for "Specified vacant for sale only" housing units, which include vacant for sale only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data also exclude condominium units and mobile homes.

**Mortgage Status and Selected Monthly Owner Costs**—The data are presented for "Specified owner-occupied" housing units. These "specified" housing units include only

one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. Separate distributions of owner costs are shown for units "With a mortgage" and for units "Not mortgaged." Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.) (see questions H30, H31, and H32 in appendix E).

**Mortgage Status and Selected Monthly Owner Costs as a Percentage of Household Income in 1979**—Selected monthly housing costs is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same owner-occupied units for which selected monthly owner costs was tabulated; thus, the statistics reflect the exclusion of certain owner-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units occupied by households that reported no income or a net loss comprise the category "Not computed."

**Rent**—The statistics on rent are tabulated for "Specified renter-occupied" housing units and for "Specified vacant for rent" housing units which include renter units except one-family houses on 10 or more acres. Respondents were asked to report rent only for the housing unit enumerated and to exclude any rent paid for additional units or for business premises. Renter units occupied without payment of cash rent are shown separately as "No cash rent" in the rent tabulations.

**Contract Rent**. "Contract rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included (see question H12 in appendix E).

**Gross Rent**. The computed rent termed "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are

## Appendix B.—Definitions and Explanations of Subject Characteristics

paid for by the renter (or paid for the renter by someone else) in addition to rent. Gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuels as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis but are converted to monthly figures in the computation process (see questions H12 and H22 in appendix E).

**Rent Asked.** For "Specified vacant for rent" housing units, the rent asked is the amount asked for the rental of the unit at the time of enumeration.

**Gross Rent as a Percentage of Household Income in 1979**—Monthly gross rent is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same renter-occupied units for which gross rent was tabulated; thus, the statistics reflect the exclusion of certain renter-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units for which no cash rent is paid and units occupied by households that reported no income or a net loss comprise the category "Not computed."

**Household Income in 1979**—Household income is the sum of the money income of all persons 15 years old and over occupying the housing unit, including persons not related to the householder. Data on income are based on money income received in the calendar year 1979. Income is the algebraic sum of the amounts reported separately for wage and salary income; nonfarm net self-employment income; farm net self-employment income; interest, dividend, net rental or royalty income; Social Security or Railroad Retirement income; public assistance or welfare income; and all other income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, bond purchases, union dues, medicare deductions, etc.

Receipts from the following sources were not included as income: money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer's contributions for pensions, etc.; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts.

Although the income statistics cover the calendar year 1979, the composition of households refers to the time of enumeration (April 1, 1980). However, the composition of most households was the same during 1979 as in April 1980. There may be differences between the data on household income in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

**Median Income**—The median income values presented in this report are computed on the basis of more detailed income intervals than shown in the tables. Median income figures of \$30,000 or less are generally calculated using linear interpolation; all other median income amounts are derived through pareto interpolation.

**Comparability With 1970 Census Income Data**—In 1970, the statistics on income presented in Series HC80-2, *Metropolitan Housing Characteristics* reports related to the income of the family or primary individual occupying the housing unit; that is, the sum of the income of the head of the family and all other members of the family 14 years old and over or the income of the primary individual. Income of persons living in

the unit but not related to the head of household was not included. In 1980, the statistics on income relate to the income of the household; that is, the sum of the income of all persons 15 years old and over occupying a housing unit, including persons not related to the householder.

A discussion on comparability of income data from other sources including earlier censuses may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

**Poverty Status in 1979**—Households are classified below the poverty level when the total 1979 income of the family or of the non-family householder is below the appropriate poverty threshold. The income of persons living in the household who are unrelated to the householder is not considered when determining the poverty status of a household. The poverty thresholds vary depending upon three criteria: size of family, number of children, and age of the family householder or unrelated individual. The criteria used in the 1980 census differ slightly from those used in the 1970 census, which took into account the same three factors as well as sex of the family householder or unrelated individual and farm-nonfarm residence. In addition, for the 1980 census the thresholds by size of family were extended from seven or more persons to nine or more persons. The income cutoffs are updated each year to reflect the change in the Consumer Price Index. A more detailed explanation of the poverty definition may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

There may be slight differences between the data on poverty status in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

## Appendix B.—Definitions and Explanations of Subject Characteristics

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### Thresholds at the Poverty Level in 1979 by Size of Family and Number of Related Children Under 18 Years

(Figures in dollars. For meaning of symbols, see Introduction)

Size of Family Unit	Weighted average thresholds	Related children under 18 years							
		None	1	2	3	4	5	6	7
1 person (unrelated individual).....	3,686	3,686	...	...	...	...	...	...	...
Under 65 years.....	3,774	3,774	...	...	...	...	...	...	...
65 years and over.....	3,479	3,479	...	...	...	...	...	...	...
2 persons.....	4,723	4,723	...	...	...	...	...	...	...
Householder under 65 years.....	4,876	4,858	5,000	...	...	...	...	...	...
Householder 65 years and over.....	4,389	4,385	4,981	...	...	...	...	...	...
3 persons.....	5,787	5,674	5,839	5,844	...	...	...	...	...
4 persons.....	7,412	7,482	7,605	7,356	7,382	...	...	...	...
5 persons.....	8,776	9,023	9,154	8,874	8,657	8,525	...	...	...
6 persons.....	9,915	10,378	10,419	10,205	9,999	9,693	9,512	...	...
7 persons.....	11,237	11,941	12,016	11,759	11,580	11,246	10,857	10,429	...
8 persons.....	12,484	13,356	13,473	13,231	13,018	12,717	12,334	11,936	11,835
9 or more persons.....	14,812	16,066	16,144	15,929	15,749	15,453	15,046	14,677	14,586
									14,024



## **Appendix C.—General Enumeration and Processing Procedures**

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### **USUAL PLACE OF RESIDENCE . . . C-1**

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### **DATA COLLECTION**

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PROCESSING PROCEDURES . . . . .	C-2
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### **USUAL PLACE OF RESIDENCE**

In accordance with census practice dating back to the first U.S. census in 1790, each person enumerated in the 1980 census was counted as an inhabitant of his or her "usual place of residence," which is generally construed to mean the place where the person lives and sleeps most of the time. This place is not necessarily the same as the person's legal residence or voting residence. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics, although there might be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishment of residence rules for certain categories of persons whose usual place of residence is not immediately apparent. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be staying on Census Day (April 1). Persons without a usual place of residence, however, were counted where they happened to be staying.

### **Armed Forces**

Members of the Armed Forces living on a military installation were counted, as in every previous census, as residents of the area in which the installation was located; members of the Armed Forces not living on a military installation were counted as residents of the area in which

they were living. Family members of Armed Forces personnel were counted where they were living on Census Day (i.e., with the Armed Forces personnel or at another location, as the case might be).

Each Navy ship was attributed to the municipality that the Department of the Navy designated as its homeport, except for those ships which were deployed to the 6th or 7th Fleet on Census Day. As was done in the 1970 census, naval personnel aboard deployed ships were defined in the 1980 census as part of the overseas population, because deployment to the 6th or 7th Fleet implies a long-term overseas assignment.

In homeports with fewer than 1,000 naval personnel assigned to ships, the crews were counted aboard the ship. In homeports with 1,000 or more naval personnel assigned to ships, the naval personnel who indicated that they had a usual residence within 50 miles of the homeport of their ship were attributed to that residence.

When a homeport designated by the Navy was contained in more than one municipality, ships homeported and berthed there on Census Day were assigned by the Bureau of the Census to the municipality in which the land immediately adjacent to the dock or pier was actually located. Other ships attributed by the Navy to that homeport, but which were not physically present and not deployed to the 6th or 7th Fleet on Census Day, were allocated to the municipality named on the Navy's homeport list.

### **Crews of Merchant Vessels**

Shipboard Census Reports were mailed to crews of merchant vessels through the ships' respective owner-operators based on lists of U.S. flag merchant vessels obtained from the Maritime Administration, U.S. Department of Commerce.

If the ship was berthed in a U.S. port on Census Day, the crew was enumerated as of that port. If the ship was

not berthed in a U.S. port but was inside the territorial waters of the United States, the crew was enumerated as of (a) the port of destination if that port was inside the United States or (b) the homeport of the ship if its port of destination was outside the United States. Crews of U.S. flag vessels which were outside U.S. territorial waters on Census Day and crews of vessels flying a foreign flag were not enumerated in the 1980 census.

### **Persons Away at School**

College students were counted as residents of the area in which they were living while attending college, as they have been since 1950. However, children in boarding schools below the college level were counted at their parental home.

### **Persons in Institutions**

Inmates of institutions, who ordinarily live there for considerable periods of time, were counted as residents of the area where the institution was located. Patients in short-term wards (general, maternity, etc.) of hospitals were counted at their usual place of residence; if they had no usual place of residence, they were counted at the hospital.

### **Persons Away From Their Residence on Census Day**

Persons in hotels, motels, etc., on the night of March 31, 1980, were requested to fill out a census form for assignment of their census information back to their homes if they indicated that no one was at home to report them in the census. A similar approach was used for persons visiting in private residences, as well as for Americans who left the United States during March 1980 via major intercontinental air or ship carriers for temporary travel abroad. In addition, information on persons away from their usual place of residence was obtained from other members of their families, resident managers, neighbors, etc. If an entire household was expected to be

away during the whole period of the enumeration, information on that household was obtained from neighbors. A matching process was used to eliminate duplicate reports for persons who reported for themselves while away from their usual residence and who were also reported at this usual residence by someone else.

A special enumeration was conducted in such facilities as missions, flophouses, jails, detention centers, etc., on the night of April 6, 1980, and persons enumerated therein were counted as residents of the area in which the establishment was located.

### Americans Abroad

Americans who were overseas for an extended period (in the Armed Forces, working at civilian jobs, studying in foreign universities, etc.) were not included in the population of any State or the District of Columbia. On the other hand, Americans who were temporarily abroad on vacations, business trips, and the like were counted at their usual residence in the United States.

### Citizens of Foreign Countries

Citizens of foreign countries having their usual residence (legally or illegally) in the United States on Census Day, including those working here (but not living at an embassy, ministry, legation, chancellery, or consulate) and those attending school (but not living at an embassy, etc.), were included in the enumeration, as were members of their families living with them. However, citizens of foreign countries temporarily visiting or traveling in the United States or living on the premises of an embassy, etc., were not enumerated in the 1980 census.

### DATA COLLECTION PROCEDURES

The 1980 census was conducted primarily through self-enumeration. A census questionnaire was delivered by postal carriers to every housing unit several days before Census Day, April 1, 1980. This questionnaire included explanatory information and was accompanied by an instruction guide. Spanish-language versions of the questionnaire and instruction guide were available on request. The questionnaire

was also available in narrative translation in 32 languages.

In most areas of the United States, altogether containing about 95 percent of the population, the householder was requested to fill out and mail back the questionnaire on Census Day. Approximately 83 percent of these households returned their forms by mail. Households that did not mail back a form and vacant housing units were visited by an enumerator. Households that returned a form with incomplete or inconsistent information that exceeded a specified tolerance were contacted by telephone or, if necessary, by a personal visit, to obtain the missing information.

In the remaining (mostly sparsely settled) area of the country, which contained about 5 percent of the population, the householder was requested to fill out the questionnaire and hold it until visited by an enumerator. Incomplete and unfilled forms were completed by interview during the enumerator's visit. Vacant units were enumerated by a personal visit and observation.

Each housing unit in the country received one of two versions of the census questionnaire: a short-form questionnaire containing a limited number of basic population and housing questions or a long-form questionnaire containing these basic questions as well as a number of additional questions. A sampling procedure was used to determine those units which were to receive the long-form questionnaire. Two sampling rates were employed. For most of the country, one in every six housing units (about 17 percent) received the long form or sample questionnaire; in counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 inhabitants, every other housing unit (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas.

Special questionnaires were used for the enumeration of persons in group quarters such as colleges and universities, hospitals, prisons, military installations, and ships. These forms contained the population questions but did not include any housing questions. In addition to the regular census questionnaires, the Supplementary Questionnaire for American Indians was used in conjunction with the short form on Federal and State reservations and in the historic areas of

Oklahoma (excluding urbanized areas) for households that had at least one American Indian, Eskimo, or Aleut household member.

### PROCESSING PROCEDURES

The 1980 census questionnaires were processed in a manner similar to that for the 1970 and 1960 censuses. They were designed to be processed electronically by the Film Optical Sensing Device for Input to Computer (FOSDIC). For most items on the questionnaire, the information supplied by the respondent or obtained by the enumerator was indicated by marking the answers in predesignated positions that would be "read" by FOSDIC from a microfilm copy of the questionnaire and transferred onto computer tape with no intervening manual processing. The computer tape did not include information on individual names and addresses.

The data processing was performed in two stages. For 100-percent data, all short forms, and pages 2 and 3 of the long forms (which have the same questions as the short form), were microfilmed, "read" by FOSDIC, and transferred onto computer tape for tabulation. For the sample data, the long form (or sample) questionnaires were processed through manual coding operations since some questions required the respondent to provide write-in entries which could not be read by FOSDIC. Census Bureau coders assigned alphabetical or numerical codes to the write-in answers in FOSDIC readable code boxes on each questionnaire. After all coding was completed, the long forms were microfilmed, and the film was "read" by FOSDIC and transferred onto computer tape.

The tape containing the information from the questionnaires was processed on the Census Bureau's computers through a number of editing and tabulation steps. Among the products of this operation were computer tapes from which the tables in this report (and most others in the 1980 census publications) were prepared on phototypesetting equipment at the Government Printing Office.

A more detailed description of the data collection and processing procedures can be obtained from the 1980 Census of Population and Housing, *Users' Guide*, PHC80-R1.

## Appendix D.—Accuracy of the Data

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### INTRODUCTION

The data presented in this publication are based on the 1980 census sample. The data are estimates of the actual figures that would have resulted from a complete count. Estimates can be expected to vary from the complete count result because they are subject to two basic types of error—sampling and nonsampling. The sampling error in the data arises from the selection of persons and housing units to be included in the sample. The nonsampling error is the result of all other errors that may occur during the collection and processing phases of the census. A more detailed discussion of both sampling and nonsampling error and a description of the estimation procedure are given in this appendix.

### SAMPLE DESIGN

While every person and housing unit in the 1980 census was enumerated on a

questionnaire that requested certain basic demographic information (e.g., age, number of rooms in living quarters, monthly rent), a sample of persons and housing units was enumerated on a questionnaire that requested additional information. The basic sampling unit for the 1980 census was the housing unit, including all occupants. For persons living in group quarters, the sampling unit was the person. Two sampling rates were employed. In counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 persons (based on precensus estimates), one-half of all housing units and persons in group quarters were to be included in the sample. In all other areas, one-sixth of the housing units or persons in group quarters were sampled. The purpose of this scheme was to provide relatively more reliable estimates for small areas. When both sampling rates were taken into account across the Nation, approximately 19 percent of the Nation's housing units were included in the census sample.

The sample designation method depended on the data collection procedures. In areas containing about 95 percent of the population the census was taken by the mailout/mailback procedure. For these areas, the Bureau of the Census either purchased a commercial mailing list which was updated and corrected by Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized, and every sixth unit (for 1-in-6 areas) or every second unit (for 1-in-2 areas) was designated as a sample unit by computer. Both of these lists were also corrected by the Post Office.

In non-mailout/mailback areas, a blank listing book with designated sample lines (every sixth or every second line) was prepared for the enumerator. Beginning about Census Day, the enumerator sys-

tematically canvassed the area and listed all housing units in the listing book in the order they were encountered. Completed questionnaires, including sample information for any housing unit which was listed on a designated sample line, were collected.

In both types of data collection procedure areas, an enumerator was responsible for a small geographic area known as an enumeration district, or ED. An ED usually represented the average workload area for one enumerator.

### ERRORS IN THE DATA

Since the data in this publication are based on a sample, they may differ somewhat from complete-count figures that would have been obtained if all housing units, persons within those housing units, and persons living in group quarters had been enumerated using the same questionnaires, instructions, enumerators, etc. The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a survey estimate is a measure of the variation among the estimates from the possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The sample estimate and its estimated standard error permit the construction of interval estimates with prescribed confidence that the interval includes the average result of all possible samples. The method of calculating standard errors and confidence intervals for the data in this report is given below.

In addition to the variability which arises from the sampling procedures, both sample data and complete-count data are subject to nonsampling error. Nonsampling error may be introduced during each of the many extensive and complex

operations used to collect and process census data. For example, operations such as editing, reviewing, or handling questionnaires may introduce error into the data. A more detailed discussion of the sources of nonsampling error is given in the section on "Control of Nonsampling Error" in this appendix.

Nonsampling error may affect the data in two ways. Errors that are introduced randomly will increase the variability of the data and should therefore be reflected in the standard error. Errors that tend to be consistent in one direction will make both sample and complete-count data biased in that direction. For example, if respondents consistently tend to under-report their income, then the resulting counts of households or families by income category will be skewed toward the lower income categories. Such biases are not reflected in the standard error.

## Calculation of Standard Errors

**Totals and Percentages**—Tables A through D in this appendix contain the information necessary to calculate the standard errors of sample estimates in this report. In order to perform this calculation, it is necessary to know the unadjusted standard error for the characteristic, given in table A or B, that would result under a simple random sample design (of persons, families, or housing units) and estimation technique; the adjustment factor for the particular characteristic estimated, given in table C; and the number of housing units in the tabulation area and the percent of these in sample, given in table D. The adjustment factors reflect the effects of the actual sample design and complex ratio estimation procedure used for the 1980 census.

To calculate the approximate standard error of an estimate for a geographic area, follow the steps given below:

- a. Obtain the unadjusted standard error from table A or B (or from the formula given below the table) for the estimated total or percentage, respectively.
- b. Find the geographic area with which you are working in table D and obtain the housing unit "percent in sample" figure for this area.
- c. Use table C to obtain the factor for the characteristics (e.g., air-

conditioning, year structure built) and the range that contains the percent-in-sample with which you are working. Multiply the unadjusted standard error by this factor. If the estimate is a cross-tabulation of more than one characteristic, use the largest factor.

As is evident from the formula below tables A and B, the unadjusted standard errors of zero estimates or of very small estimated totals or percentages approach zero. This is also the case for very large percentages or estimated totals that are close to the size of the tabulation areas to which they correspond. These estimated totals and percentages are, nevertheless, still subject to sampling and non-sampling variability, and an estimated standard error of zero (or a very small standard error) is not appropriate.

For estimated percentages that are less than 2 or greater than 98, use the *unadjusted* standard errors in table B that appear in the "2 or 98" row. For an estimated total that is less than 50 or within 50 of the total size of the tabulation area, use an *unadjusted* standard error of 16.

An illustration of the use of the tables is given in a later section of this appendix.

**Differences**—The standard errors estimated from these tables are not directly applicable to differences between two sample estimates. In order to estimate the standard error of a difference the tables are to be used somewhat differently in the following three situations:

- a. For the difference between a sample estimate and a complete-count value, use the standard error of the sample estimate.
- b. For the difference between (or sum of) two sample estimates, the appropriate standard error is approximately the square root of the sum of the two individual standard errors squared; that is, for standard errors  $Se_x$  and  $Se_y$  of estimates  $x$  and  $y$ :

$$Se_{(x+y)} = Se_{(x-y)} \doteq \sqrt{(Se_x)^2 + (Se_y)^2}$$

This method, however, will underestimate (overestimate) the standard error if the two items in a sum are highly positively (negatively)

correlated or if the two items in a difference are highly negatively (positively) correlated. This method may also be used for the difference between (or sum of) sample estimates from two censuses or between a census sample and another survey. The standard error for estimates not based on the 1980 census sample must be obtained from an appropriate source outside of this publication.

- c. For the difference between two estimates, one of which is a subclass of the other, use the tables directly where the calculated difference is the estimate of interest.

**Means**—The standard error of a mean depends upon the variability of the distribution on which the mean is based, the size of the sample, the sample design (e.g., the use of households as a sampling unit), and the estimation procedure used.

An approximation to the standard error of the mean may be obtained as follows: compute the variance of the distribution on which the mean is based; multiply this value by five and divide the product by the total count of units in the distribution; obtain the square root of this quotient and multiply the result by the adjustment factor from table C that is appropriate for the characteristic on which the mean is based.

**Medians**—For the standard error of a median of a characteristic, it is necessary to examine the distribution from which the median is derived, as the size of the base and the distribution itself affect the standard error. An approximate method is given here. As the first step, compute one-half of the number on which the median is based (refer to this result as  $N/2$ ). Treat  $N/2$  as if it were an ordinary estimate and obtain its standard error as instructed above using tables A, C, and D. Compute the desired confidence interval about  $N/2$ . Starting with the lowest value of the characteristic, cumulate the frequencies in each category of the characteristic until the sum equals or first exceeds the lower limit of the confidence interval about  $N/2$ . By linear interpolation, obtain a value of the characteristic corresponding to this sum. This is the lower limit of the confidence interval of the median. In a similar manner, cumulate frequencies starting from

the highest value of the characteristic until the sum equals or exceeds the count in excess of the upper limit of the interval about  $N/2$ . Interpolate as before to obtain the upper limit of the confidence interval for the estimated median.

### Confidence Intervals

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain the average value of the estimated characteristic that results over all possible samples, with a known probability. For example, if all possible samples that could result under the 1980 census sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

- (1) Approximately 68 percent of the intervals from one estimated standard error below the estimate to one estimated standard error above the estimate would contain the average result from all possible samples; and
- (2) Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

The intervals are referred to as 68 percent and 95 percent confidence intervals, respectively.

The average value of the estimated characteristic that could be derived from all possible samples is or is not contained in any particular computed interval. Thus we cannot make the statement that the average value has a certain probability of falling between the limits of the calculated confidence interval. Rather, one can say with a specified probability or confidence that the calculated confidence interval includes the average estimate from all possible samples (approximately the complete count value).

Confidence intervals may also be constructed for the difference between two sample figures. This is done by computing the difference between these

figures, obtaining the standard error of the difference (using the formula given earlier), and then forming a confidence interval for this estimated difference as above. One can then say with specified confidence that this interval includes the difference that would have been obtained by averaging the results from all possible samples.

The estimated standard errors given in this report do not include all portions of the variability due to nonsampling error that may be present in the data. Thus, the standard errors calculated represent a lower bound of the total error. As a result, confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68 or 95 percent). Thus, some care must be exercised in the interpretation of the data in this publication based on the estimated standard errors.

For more information on confidence intervals and nonsampling error see any standard sampling theory text.

### Use of Tables to Compute Standard Errors

See appendix D of any 1980 Census of Housing, HC-80-1-B, *Detailed Housing Characteristics* report, for examples showing the computation of standard errors and the formation of confidence intervals.

### ESTIMATION PROCEDURE

The estimates which appear in this publication were obtained from an iterative ratio estimation procedure which resulted in the assignment of a weight to each sample person or housing unit record. For any given tabulation area, a characteristic total was estimated by summing the weights assigned to the persons or housing units in the tabulation area which possessed the characteristic. Estimates of family or household characteristics were based on the weights assigned to the family members designated as householders. Each sample person or housing unit record was assigned exactly one weight to be used to produce estimates of all characteristics. For example, if the weight given to a sample person or housing unit had the value five, all characteristics of that person or housing unit would be tabulated with a weight of

five. The estimation procedure, however, did assign weights which vary from person to person or housing unit to housing unit.

The estimation procedure used to assign the weights was performed in geographically defined "weighting areas." Weighting areas were generally formed of adjoining portions of geography, which closely agreed with census tabulation areas within counties. Weighting areas were required to have a minimum sample of 400 persons. Weighting areas were never allowed to cross state or county boundaries. In small counties with a sample count of less than 400 persons, the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

Within a weighting area, the ratio estimation procedure for persons was performed in three stages. For persons, the first stage employed 17 household type groups. The second stage used two groups: householders and nonhouseholders. The third stage could potentially use 160 age-sex-race-Spanish origin groups. The stages were as follows:

### PERSONS

#### Stage I—Type of Household

Group	Persons in Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
	Persons in Housing Units With a Family Without Own Children Under 18
6-10	2 persons in housing unit through 8 or more persons in housing unit
	Persons in All Other Housing Units
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit
17	Persons in group quarters

**Stage II—Householder/  
Nonhouseholder**

<i>Group</i>	
1	Householder
2	Nonhouseholder (including persons in group quarters)

**Stage III—Age/Sex/Race/Spanish Origin**

*Group*    *White Race*  
*Persons of Spanish Origin*  
*Male*

1	0 to 4 years of age
2	5 to 14 years of age
3	15 to 19 years of age
4	20 to 24 years of age
5	25 to 34 years of age
6	35 to 44 years of age
7	45 to 64 years of age
8	65 years of age or older

*Female*

9-16	Same age categories as groups 1 to 8
------	--------------------------------------

*Persons Not of Spanish Origin*

17-32	Same age and sex categories as groups 1 to 16
-------	---

*Black Race*

33-64	Same age-sex-Spanish origin categories as groups 1 to 32
-------	--

*Asian, Pacific Islander Race*

65-96	Same age-sex-Spanish origin categories as groups 1 to 32
-------	--

*American Indian, Eskimo, or Aleut Race*

97-128	Same age-sex-Spanish origin categories as groups 1 to 32
--------	--

*Other Race (includes those races not listed above)*

129-160	Same age-sex-Spanish origin categories as groups 1 to 32
---------	--

Within a weighting area, the first step in the estimation procedure was to assign each sample person record an initial weight. This weight was approximately equal to the inverse of the probability of selecting a person for the census sample.

The next step in the estimation procedure was to combine, if necessary, the groups in each of the three stages prior to the repeated ratio estimation in order to increase the reliability of the ratio estima-

tion procedure. For the first and second stages, any group that did not meet certain criteria concerning the unweighted sample count or the ratio of the complete count to the initially weighted sample count, was combined, or collapsed, with another group in the same stage according to a specified collapsing pattern. At the third stage, the "Other" race category was collapsed with the "White" race category before the above collapsing criteria as well as an additional criterion concerning the number of complete count persons in each category were applied.

As the final step, the initial weights underwent three stages of ratio adjustment which used the groups listed above. At the first stage, the ratio of the complete census count to the sum of the initial weights for each sample person was computed for each stage I group. The initial weight assigned to each person in a group was then multiplied by the stage I group ratio to produce an adjusted weight. In stage II, the stage I adjusted weights were again adjusted by the ratio of the complete census count to the sum of the stage I weights for sample persons in each stage II group. Finally, the stage II weights were adjusted at stage III by the ratio of the complete census count to the sum of the stage II weights for sample persons in each stage III group. The three stages of adjustment were performed twice (two iterations) in the order given above. The weights obtained from the second iteration for stage III were assigned to the sample person records. However, to avoid complications in rounding for tabulated data, only whole number weights were assigned. For example, if the final weight for the persons in a particular group was 7.2, then one-fifth of the sample persons in this group were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

Separate weights were derived for tabulating the place of work and migration data items. The weights were obtained by adjusting the weight derived above for persons on questionnaires selected for coding by the reciprocal of the ED coding rate and a ratio adjustment to ensure that the sum of the weights and the complete count total population figure would agree.

The ratio estimation procedure for

housing units was essentially the same as that for persons. The major difference was that the occupied housing unit ratio estimation procedure was done in two stages and the vacant housing unit ratio estimation procedure was done in one stage. The first stage for occupied housing units employed 16 household-type categories and the second stage could potentially use 190 tenure-race-Spanish origin-value/rent groups. For vacant housing units, three groups were utilized. The stages for the ratio estimation for housing units were as follows:

## OCCUPIED HOUSING UNITS

### Stage I—Type of Household

<i>Group</i>	<i>Housing Units With a Family With Own Children Under 18</i>
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit

<i>Group</i>	<i>Housing Units With a Family Without Own Children Under 18</i>
6-10	2 persons in housing unit through 8 or more persons in housing unit

<i>Group</i>	<i>All Other Housing Units</i>
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit

### Stage II—Tenure/Race and Origin of Householder/Value or Rent

<i>Group</i>	<i>Owner</i>	<i>White Race (householder)</i>	<i>Persons of Spanish Origin (householder)</i>	<i>Value of House</i>
1		\$0 to \$9,999		
2		\$10,000 to \$19,999		
3		\$20,000 to \$24,999		
4		\$25,000 to \$49,999		
5		\$50,000 to \$99,999		
6		\$100,000 to \$149,999		
7		\$150,000+		
8		Other Owners		

### Persons Not of Spanish Origin

9-16	Same value categories as groups 1 to 8	<i>Other Race (includes those races not listed above)</i>	
17-32	<i>Black Race</i> Same value—Spanish origin categories as groups 1 to 16	169-190 Same rent—Spanish origin categories as groups 81 to 102	
33-48	<i>Asian, Pacific Islander Race</i> Same value—Spanish origin categories as groups 1 to 16	<b>VACANT HOUSING UNITS</b>	
49-64	<i>American Indian, Eskimo, or Aleut Race</i> Same value—Spanish origin categories as groups 1 to 16	<i>Group</i>	
65-80	<i>Other Race (includes those races not listed above)</i> Same value—Spanish origin categories as groups 1 to 16	1 <i>Vacant for Rent</i> 2 <i>Vacant for Sale</i> 3 <i>Other Vacant</i>	
81	<i>Renter</i>	The estimates produced by this procedure realize some of the gains in sampling efficiency that would have resulted if the population had been stratified into the ratio estimation groups before sampling, and the sampling rate had been applied independently to each group. The net effect is a reduction in both the standard error and the possible bias of most estimated characteristics to levels below what would have resulted from simply using the initial (unadjusted) weight. A by-product of this estimation procedure is that the estimates from the sample will, for the most part, be consistent with the complete-count figures for the population and housing unit groups used in the estimation procedure.	
82	<i>White Race</i>		
83	<i>Persons of Spanish Origin</i>		
84	<i>Rent Categories</i>		
85	\$1 to \$59		
86	\$60 to \$99		
87	\$100 to \$149		
88	\$150 to \$199		
89	\$200 to \$249		
90	\$250 to \$299		
91	\$300 to \$399		
	\$400 to \$499		
	\$500+		
	Other Renter		
	No Cash Rent		
92-102	<i>Persons not of Spanish origin</i>	<b>CONTROL OF NONSAMPLING ERROR</b>	
103-124	Same rent categories as groups 81 to 91		
125-146	<i>Black Race</i> Same rent—Spanish origin categories as groups 81 to 102		
147-168	<i>Asian, Pacific Islander Race</i> Same rent—Spanish origin categories as groups 81 to 102		
	<i>American Indian, Eskimo, or Aleut Race</i> Same rent—Spanish origin categories as groups 81 to 102		

**Undercoverage**—It is possible for some persons or housing units to be entirely missed by the census. This undercoverage of persons and housing units can introduce biases into the data. Several extensive programs were developed to focus on this important problem.

- The Postal Service reviewed mailing lists and reported housing unit addresses which were missing, undeliverable, or duplicated in the listings.
- The purchased commercial mailing list was updated and corrected by a complete field review of the list of housing units during a precanvass operation.
- A record check was performed to reduce the undercoverage of individual persons in selected areas. Independent lists of persons, such as driver's license holders, were matched with the household rosters in the census listings. Persons not matched to the census rosters were followed up and added to the census counts if they were found to have been missed.
- A recheck of units initially classified as vacant or nonexistent was utilized to further reduce the undercoverage of persons.

More extensive discussions of programs developed to reduce undercoverage will be published as the analyses of those programs are completed.

**Respondent and Enumerator Error**—The person answering the questionnaire or responding to the questions posed by an enumerator could serve as a source of error by offering incorrect or incomplete information. To reduce this source of error, questions were phrased as clearly as possible based on precensus tests and detailed instructions for completing the questionnaire were provided to each household. In addition, respondents' answers were edited for completeness and consistency and followed up as necessary. For example, if the source of water item was incomplete for a housing unit, long-form field edit procedures would recognize the situation, and a followup attempt to obtain the information would be made.

The enumerator may misinterpret or otherwise incorrectly record information given by a respondent; may fail to collect some of the information for a person or household; or may collect sample data for

households that were not designated as part of the sample. To control these problems, the work of enumerators was carefully monitored. Field staff were prepared for their tasks by using standardized training packages which included experience in using census materials. A sample of the households interviewed by enumerators for nonresponse was reinterviewed to control for the possibility of data for fabricated persons being submitted by enumerators. Also, the estimation procedure was designed to control for biases that would result from the collection of data from households not designated for the sample.

**Processing Error**—The many phases of processing the census represent potential sources for the introduction of nonsampling error. The processing of the census questionnaires includes the field editing, followup, and transmittal of completed questionnaires; the manual coding of write-in responses; and the electronic data processing. The various field, coding and computer operations undergo a number of quality control checks to insure their accurate application.

**Nonresponse**—Nonresponse to particular questions on the census questionnaire allows for the introduction of bias into the data, since the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. As a result, any allocation procedure using respondent data may not completely reflect this difference either at the element level (individual person or housing unit) or on the average. Some protection against the introduction of large biases is afforded by minimizing

nonresponse. In the census, nonresponse was substantially reduced during the field operations by the various edit and follow-up operations aimed at obtaining a response for every question. Characteristics for the nonresponses remaining after this operation were allocated by the computer using reported data for a person or housing unit with similar characteristics. The allocation procedure is described below.

### EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that describes the nation's housing as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited.

In the field, questionnaires were reviewed for omissions and certain inconsistencies by a census clerk or an enumerator and, if necessary, a followup was made to obtain missing information. In addition, a similar review of questionnaires was done in the central processing offices. As a rule, however, editing was performed by hand only when it could not be done effectively by machine.

As one of the first steps in computerized editing, the configuration of marks on the questionnaire was scanned electronically to determine whether it contained information for a person or housing unit or merely spurious marks. If any characteristic for a housing unit was still missing when the questionnaires reached the central processing offices, it was supplied by allocation. Allocation, or assignments of acceptable codes in place of unacceptable entries, were

needed most often when an entry for a given item was lacking or when the information reported for a particular item was inconsistent with another item for the same housing unit. As in previous censuses, allocations or the assignment of acceptable entries were used to replace blanks or unacceptable entries. The allocation procedure was based on using information reported for another housing unit with characteristics similar to those of the housing unit for which allocation was necessary. For example, if the unit was reported as rented but the amount of rent was missing, the computer automatically assigned the rent that was reported for the preceding renter-occupied unit. The assignment of acceptable codes in place of blanks or unacceptable entries is designed to enhance the usefulness of the data.

Specific tolerances were established for the number of computer allocations that would be permitted. If the number of corrections was beyond tolerance, the questionnaires in which the errors occurred were clerically reviewed. If it was found that the errors resulted from damaged questionnaires, from improper microfilming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

### ALLOCATION TABLES

The extent of allocations for nonresponses and inconsistencies for individual subject items is given for SMSA's and places in the 1980 Census of Population PC80-1-B and PC80-1-C reports and in the 1980 Census of Housing HC80-1-A and HC80-1-B reports.

## Appendix D.—Accuracy of the Data

**Table A. Unadjusted Standard Errors for Estimated Totals**

[Based on a 1-in-6 simple random sample]

Estimated Total <sup>1/</sup>

Estimated Total <sup>1/</sup>	<sup>2/</sup> Size of publication area															
	500	1 000	2 500	5 000	10 000	25 000	50 000	100 000	250 000	500 000	1 000 000	5 000 000	10 000 000	25 000 000		
50.....	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
100.....	20	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22
250.....	25	30	35	35	35	35	35	35	35	35	35	35	35	35	35	35
500.....	-	35	45	45	50	50	50	50	50	50	50	50	50	50	50	50
1 000.....	-	-	55	65	65	70	70	70	70	70	70	70	70	70	70	70
2 500.....	-	-	-	80	95	110	110	110	110	110	110	110	110	110	110	110
5 000.....	-	-	-	-	110	140	150	150	160	160	160	160	160	160	160	160
10 000.....	-	-	-	-	-	170	200	210	220	220	220	220	220	220	220	220
15 000.....	-	-	-	-	-	170	230	250	270	270	270	270	270	270	270	270
25 000.....	-	-	-	-	-	-	250	310	340	350	350	350	350	350	350	350
75 000.....	-	-	-	-	-	-	-	310	510	570	590	610	610	610	610	610
100 000.....	-	-	-	-	-	-	-	-	550	630	670	700	700	700	700	710
250 000.....	-	-	-	-	-	-	-	-	-	790	970	1 090	1 100	1 100	1 100	1 100
500 000.....	-	-	-	-	-	-	-	-	-	-	1 120	1 500	1 540	1 570	1 570	1 570
1 000 000....	-	-	-	-	-	-	-	-	-	-	-	2 000	2 120	2 190	2 190	2 190
5 000 000....	-	-	-	-	-	-	-	-	-	-	-	-	3 540	4 470	4 470	4 470
10 000 000....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 480

<sup>1/</sup> For estimated totals larger than 10 000 000, the standard error is somewhat larger than the table values. The formula given below should be used to calculate the standard error.

$$Se(\hat{Y}) = \sqrt{5\hat{Y}(1-\frac{\hat{Y}}{N})}$$

N = Size of area

$\hat{Y}$  = Estimate of characteristic total

<sup>2/</sup> The total count of housing units in the area.

**Table B. Unadjusted Standard Error in Percentage Points for Estimated Percentages**

[Based on a 1-in-6 simple random sample]

Estimated Percentage

Estimated Percentage	<sup>1/</sup> Base of percentage														
	500	750	1 000	1 500	2 500	5 000	7 500	10 000	25 000	50 000	100 000	250 000	500 000		
2 or 98.....	1.4	1.1	1.0	0.8	0.6	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
5 or 95.....	2.2	1.8	1.5	1.3	1.0	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1
10 or 90.....	3.0	2.4	2.1	1.7	1.3	0.9	0.8	0.7	0.4	0.3	0.2	0.1	0.1	0.1	0.1
15 or 85.....	3.6	2.9	2.5	2.1	1.6	1.1	0.9	0.8	0.5	0.4	0.3	0.2	0.1	0.1	0.1
20 or 80.....	4.0	3.3	2.8	2.3	1.8	1.3	1.0	0.9	0.6	0.4	0.3	0.2	0.1	0.1	0.1
25 or 75.....	4.3	3.5	3.1	2.5	1.9	1.4	1.1	1.0	0.6	0.4	0.3	0.2	0.1	0.1	0.1
30 or 70.....	4.6	3.7	3.2	2.6	2.0	1.4	1.2	1.0	0.6	0.5	0.3	0.2	0.1	0.1	0.1
35 or 65.....	4.8	3.9	3.4	2.8	2.1	1.5	1.2	1.1	0.7	0.5	0.3	0.2	0.1	0.1	0.1
50.....	5.0	4.1	3.5	2.9	2.2	1.6	1.3	1.1	0.7	0.5	0.4	0.2	0.1	0.1	0.1

<sup>1/</sup> For a percentage and/or base of percentage not shown in the table, the formula given below may be used to calculate the standard error.

$$Se(\hat{p}) = \sqrt{\frac{5}{B} \hat{p}(100-\hat{p})}$$

B = Base of estimated percentage

$\hat{p}$  = Estimated percentage

Table C. Standard Error Adjustment Factors

(Percent of persons or housing units in sample)

Characteristic	Less than 19 Percent	19 to 33 Percent	More than 33 Percent
Household type.....	1.0	0.9	0.5
Age and sex of householder.....	1.0	1.0	0.5
Occupancy status.....	1.1	0.8	0.5
Vacant price asked and vacant rent asked..	1.0	0.8	0.4
Tenure.....	1.1	0.9	0.5
Units in structure.....	1.1	1.0	0.5
Stories in structure.....	0.9	0.9	0.5
Passenger elevator.....	0.8	0.8	0.4
Persons in unit.....	1.1	0.9	0.5
Year structure built.....	1.0	0.8	0.5
Year householder moved into housing unit.....	1.1	0.9	0.5
Heating equipment and fuel.....	1.2	0.9	0.5
Number of bedrooms.....	1.1	0.9	0.5
Rooms.....	1.1	0.9	0.5
Telephone in housing unit.....	1.1	0.9	0.5
Air conditioning.....	1.1	1.0	0.5
Vehicles available.....	1.1	0.9	0.5
Gross rent and contract rent.....	1.1	0.8	0.5
Gross rent as a percentage of household income in 1979.....	1.1	0.8	0.5
Mortgage status and selected monthly owner costs.....	1.1	0.9	0.5
Household income.....	1.0	0.9	0.5
Poverty status: Housing.....	1.1	0.9	0.5
Existence of complete plumbing for exclusive use with 1.01 persons per room or more.....	1.0	0.8	0.5
Value.....	1.0	1.0	0.5

## Appendix D.—Accuracy of the Data

Table D. Percent of Housing Units in Sample: 1980

[For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

**The SMSA  
Places of 50,000 or More and  
Central Cities of SMSA's**

The SMSA -----

**PLACES OF 50,000 OR MORE AND CENTRAL  
CITIES OF SMSA's**

Boy City city -----

Housing units		
	100-percent count	Percent in sample
The SMSA -----	43 395	20.0
PLACES OF 50,000 OR MORE AND CENTRAL CITIES OF SMSA's	16 320	15.9



## Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

### INSTRUCTIONS FOR QUESTIONS 1 THROUGH 10

1. List in question 1 (on page 1), the names of all the people who usually live here. Then turn to pages 2 and 3 where there are columns to list up to seven persons. In the first column print the name of one of the household members in whose name this home is owned or rented. If no household member owns or rents the living quarters, list in the first column any adult household member who is not a roomer, boarder, or paid employee. Print the names of the other household members, if any, in the columns which follow, using question 1 as a checklist.
2. Fill a circle to show how each person is related to the person in column 1.

A stepchild or legally adopted child of the person in column 1 should be marked Son/daughter. Foster children or wards living in the household should be marked Roomer, boarder.

3. Be sure to fill a circle for the sex of each person.
4. Fill the circle for the category with which the person most closely identifies. If you fill the Indian (American) or Other circle, be sure to print the name of the specific Indian tribe or specific group.
5. Enter age at last birthday in the space provided (enter "0" for babies less than one year old). Also enter month and year of birth, and fill the appropriate circles. For an illustration of how to complete question 5, see the example on pages 4 and 5. If age or month or year of birth is not known, give your best estimate.
6. If the person's only marriage was annulled, mark Never married.
7. A person is of Spanish/Hispanic origin or descent if the person *identifies* his or her ancestry with one of the listed groups, that is, Mexican, Puerto Rican, etc. Origin or descent (ancestry) may be viewed as the nationality group, the lineage, or country in which the person or the person's parents or ancestors were born.
8. Do not count enrollment in a trade or business school, company training, or tutoring unless the course would be accepted for credit at a regular elementary school, high school, or college. A *public* school is any school or college which is controlled and supported primarily by a local, county, State, or Federal Government.
9. Fill only one circle. Mark the highest grade *ever* attended even if the person did not finish it. If the person is still in school, mark the grade in which now enrolled. Schooling received in foreign or ungraded schools should be reported as the equivalent grade or year in the regular American school system. If uncertain whether a Head Start program is for nursery school or kindergarten, mark the circle for Nursery school.

If the person skipped or repeated grades, mark the highest grade ever attended regardless of how long it took to get there. Persons who did not attend any college but who completed high school by finishing the 12th grade or by passing an equivalency test, such as the

General Educational Development (GED) examination, should fill the circle for the 12th grade.

10. Mark Finished this grade (or year) only if the person finished the *entire* grade or year marked in question 9 or if the highest grade was completed by passing a high school equivalency test.

### INSTRUCTIONS FOR QUESTIONS H4 THROUGH H12

- H4. Mark only one circle. *This address* means the house or building number where your living quarters are located.
- H5. Mark the second circle only if you *must* go through someone else's living quarters to get to your own.
- H6. Consider that you have hot water even if you have it only part of the time.

Mark Yes, but also used by another household if someone else who lives in the same building, but is not a member of your household, also uses the facilities. Mark this circle also if the occupants of living quarters now vacant would also use the facilities in your living quarters.

- H7. Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count bathrooms, kitchenettes, strip or pullman kitchens, utility rooms, or unfinished attics, unfinished basements, or other space used for storage.

- H8. Mark Owned or being bought if the living quarters are owned outright or are mortgaged. Also mark Owned or being bought if the living quarters are owned but the land is rented.

Mark Rented for cash rent if any money rent is paid. Rent may be paid by persons who are not members of your household.

Occupied without payment of cash rent includes, for example, a parsonage, military housing, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.

- H9. A *condominium* is housing in which the apartments or houses in a development are individually owned, but the common areas, such as lobbies, halls, etc., are jointly owned. The person owning a condominium very likely has a mortgage on the particular unit.
- H10b. A *commercial establishment* is easily recognized from the outside, for example, a grocery store or barber shop. A *medical office* is a doctor's or dentist's office regularly visited by patients.
- H11. Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the

## Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

land. If this is a condominium unit, enter the estimated value for your living quarters and your share of the common elements.

- H12. Report the rent agreed to or contracted for, even if the rent is unpaid or paid by someone else.

If rent is not paid by the month, change the rent to a monthly amount; and then fill the appropriate circle in question H12.

If rent is paid:	Multiply rent by:
By the day	30
By the week	4
Every other week	2

If rent is paid:	Divide rent by:
4 times a year	3
2 times a year	6
Once a year	12

### INSTRUCTIONS FOR QUESTIONS H13 THROUGH H20

- H13. Mark only one circle.

*Detached* means there is open space on all sides, or the house is joined only to a shed or garage. *Attached* means that the house is joined to another house or building by at least one wall which goes from ground to roof.

Mark A **one-family house detached from any other house** when a mobile home or trailer has had one or more rooms added or built onto it; a porch or shed is not considered a room.

Count all occupied and vacant living quarters in the house or building, but not stores or office space.

- H14a. Do not count unfinished basements or unfinished attics. However, a basement or attic with finished room(s) for living purposes should be counted as a story.

- H15a. A **city or suburban lot** is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a city or suburban lot.

A **place** is a farm, ranch, or any other property, other than a city or suburban lot, on which this **residence** is located.

- H16. If a well provides water for six or more houses or apartments, mark A **public system**. If a well provides water for five or fewer houses or apartments, mark one of the categories for *individual well*.

*Drilled wells*, or small diameter wells, are usually less than 1½ feet in diameter. *Dug wells* are generally hand dug and are wider.

- H17. A **public sewer** is operated by a government body or a private organization. A **septic tank or cesspool** is an underground tank or pit used for disposal of sewage.

- H19. The term *person in column 1* refers to the person listed in the first column on page 2. This person should be the household member (or one of the members) in whose name the house is owned or rented. If there is no such person, any adult household member can be the person in column 1. Mark when this person last moved into this house or apartment.

- H20. This question refers to the type of *heating equipment* and not to the fuel used.

An *electric heat pump* is sometimes known as a reverse cycle

system. It may be centrally installed with ducts to the rooms or individual heat pumps in the rooms.

A *floor, wall, or pipeless furnace* delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed and does not have ducts leading to other rooms.

Any heater that you plug into an electric outlet should be counted as a *portable room heater*.

### INSTRUCTIONS FOR QUESTIONS H21 THROUGH H32

- H21. *Gas from underground pipes* is piped in from a central system such as one operated by a public utility company or a municipal government. *Bottled, tank, or LP gas* is stored in tanks which are refilled or exchanged when empty. *Other fuel* includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.

- H22. If your living quarters are rented, enter the costs for utilities and fuels only if you pay for them in addition to the rent entered in H12. If already included in rent, fill the appropriate circle.

The amounts to be reported should be for the past 12 months, that is, for electricity and gas, the monthly *average* for the past 12 months; for water and other fuels, the *total* amount for the past 12 months.

Estimate as closely as possible when exact costs are not known.

Report amounts even if your bills are unpaid or paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket ( { } ) the two utilities.

- H23. The kitchen sink, stove, and refrigerator must be located in the building but do *not* have to be in the same room. Portable cooking equipment is not considered as a range or cook stove.

- H26. Answer Yes *only* if the telephone is located in your living quarters.

- H27. Count only equipment used to cool the air by means of a refrigeration unit.

- H28—H29. Count company cars (including police cars and taxicabs) and company trucks that are regularly kept at home and used by household members. Do *not* count cars or trucks permanently out of working order.

- H30—H32. Do not answer these questions if you live in a cooperative, regardless of the number of units in the structure.

- H30. Report taxes for all taxing jurisdictions even if they are included in mortgage payment, not paid yet, paid by someone else, or are delinquent.

- H31. When premiums are paid on other than a yearly basis, convert to a yearly basis and enter the yearly amount, even if no payment was made during the past 12 months.

- H32a. The word "mortgage" is used as a general term to indicate all types of loans which are secured by real estate.

- b. A second or junior mortgage is also secured by real estate but has been made by the homeowner in addition to the first mortgage.
- c. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see instructions for H12 to change it to a monthly amount.

### INSTRUCTIONS FOR QUESTIONS 11 THROUGH 14

#### 11. For persons born in the United States:

Print the name of the State in which this person's mother was living when this person was born. For persons born in a hospital, do not give the State in which the hospital was located unless the hospital and the mother's home were in the same State or the location of the mother's home is not known. For example, if a person was born in a hospital in Washington, D.C., but the mother's home was in Virginia at the time of the person's birth, enter "Virginia."

#### For persons born outside the United States:

Print the full name of the foreign country or Puerto Rico, Guam, etc., where the person was born. Use international boundaries as now recognized by the United States. Specify whether Northern Ireland or Ireland (Eire); East or West Germany; England, Scotland or Wales (*not* Great Britain or United Kingdom). Specify the particular island in the Caribbean, *not*, for example, West Indies.

#### 12. This question is only for persons born in a foreign country. Fill the Yes, a naturalized citizen circle only if the person has completed the naturalization process and is now a citizen.

If the person has entered the U.S. more than once, fill the circle for the year he or she came to stay permanently.

#### 13a. Mark No, only speaks English if the person always speaks English at home; then skip to question 14.

Mark Yes if the person speaks a language other than English at home. Do not mark Yes for a language spoken only at school or if speaking ability is limited to a few expressions or slang.

b. Print the non-English language spoken at home. If this person speaks two or more non-English languages at home and cannot determine which is spoken most often, report the first language the person learned to speak.

c. Fill the circle that best describes the person's ability to speak English.

(1) The circle Very well should be filled for persons who have no difficulty speaking English.

(2) The circle Well should be filled for persons who have only minor problems which do not seriously limit their ability to speak English.

(3) The circle Not well should be filled for persons who are seriously limited in their ability to speak English.

(4) The circle Not at all should be filled for persons who do not speak English at all.

#### 14. Print the ancestry group with which the person identifies. Ancestry (or origin or descent) may be viewed as the nationality group, the lineage, or the country in which the person or the person's parents or ancestors were born before their arrival in the United States. Persons who are of more than one origin and who cannot identify with a single group should print their multiple ancestry (for example, German-Irish).

Be specific; for example, if ancestry is "Indian," specify whether American Indian, Asian Indian, or West Indian. Distinguish Cape Verdean from Portuguese, and French Canadian from Canadian.

A religious group should not be reported as a person's ancestry.

### INSTRUCTIONS FOR QUESTIONS 15 THROUGH 20

#### 15a. Mark Yes, this house if this person lived in this same house or apartment on April 1, 1975, but moved away and came back between then and now. Mark No, different house if this person lived in the same building but in a different apartment (or in the same mobile home or trailer but on a different trailer site).

b. If this person lived in a different house or apartment on April 1, 1975, give the location of this person's usual home at that time.

Part (1) If the person was living in the United States on April 1, 1975, print the name of the State. If the person did not live in the United States on April 1, 1975, print the full name of the foreign country or Puerto Rico, Guam, etc.

Part (2) If in Louisiana, print the parish name. If in Alaska, print the borough name. If in New York City — print the borough name if the county name is not known. If an independent city, leave blank.

Part (3) If in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island or Vermont, print the name of the town rather than the name of the village or city, unless the name of the town is unknown.

Part (4) Mark Yes if you know that the location is now inside the limits of a city, town, village or other incorporated place, even if it was not inside the limits on April 1, 1975.

#### 17a. Mark Yes only if this person was on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard. Mark No if the person was in the National Guard or the reserves.

b. Mark Yes if the person was attending a college or university either full or part time and was enrolled for credit toward a degree. Mark No if the person was taking only non-credit courses or was attending a vocational or trade school, such as secretarial school.

c. Mark Yes, full time if the person worked full time (35 hours or more per week). Mark Yes, part time if the person worked part time (less than 35 hours per week). Mark No if the person only did unpaid volunteer work, housework or yard work at own home, or if the only work done was as a resident of an institution.

#### 18a. Mark Yes if this person was ever on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard, even if the time served was short. For persons in the National Guard or military reserve units, mark Yes only if the person was ever called to active duty; mark No if the only service was active duty for training.

b. If this person served during more than one period, fill all circles which apply, even if service was for a short time.

#### 19. The term "health condition" refers to any physical or mental problem which has lasted for 6 or more months. A serious problem with seeing, hearing, or speech should be considered a health condition. Pregnancy or a temporary health problem such as a broken bone that is expected to heal normally should not be considered a health condition.

#### 20. Count all children born alive, including any who have died (even shortly after birth) or who no longer live with her.

**INSTRUCTIONS FOR QUESTIONS 21 THROUGH 26**

21. If the exact date of marriage is not known, give your best estimate.
- 22a. Mark Yes if the person worked, either full or part time, on any day of last week (Sunday through Saturday).

**Count as work:**

Work for someone else for wages, salary, piece rate, commission, tips, or payments "in kind" (for example, food, lodging received as payment for work performed).

Work in own business, professional practice, or farm.

Any work in a family business or farm, paid or not.

Any part-time work including babysitting, paper routes, etc.

Active duty in Armed Forces.

**Do not count as work:**

Housework or yard work at home.

Unpaid volunteer work.

Work done as a resident of an institution.

- b. Give the *actual* number of hours worked at *all jobs last week*, even if that was more or fewer hours than usually worked.

23. If the person worked at several locations, but reported to the same location each day to begin work, print where he or she reported. If the person did not report to the same location each day to begin work, print the words "various locations" for 23a, and give as much information as possible in the remainder of 23 to identify the area in which he or she worked *most* last week.

If the person's employer operates in more than one location (such as a grocery store chain or public school system), give the exact address of the location or branch where the person worked.

If the person worked in a foreign country or Puerto Rico, Guam, etc., print the name of the country in 23e and leave the other parts of 23 blank.

- 24a. Travel time is from door to door. Include time taken waiting for public transportation, picking up passengers in carpools, etc.

- b. Mark Worked at home for a person who works on a farm where he or she lives, or in an office or shop in the person's home.

- c. If the person was driven to work by someone who then drove back home or to a non-work destination, mark Drive alone.

- d. Do not include riders who rode to school or some other non-work destination.

25. If the person works only during certain seasons or on a day-to-day basis when work is available, mark No.

- 26a. Mark Yes if the person tried to get a job or to start a business or professional practice at any time in the last *four weeks*; for example, registered at an employment office, went to a job interview, placed or answered ads, or did anything toward starting a business or professional practice.

- b. Mark No, already has a job if the person was on layoff or was expecting to report to a job within 30 days.

Mark No, temporarily ill if the person expects to be able to work within 30 days.

Mark No, other reasons if the person could not have taken a job because he or she was going to school, taking care of children, etc.

**INSTRUCTIONS FOR QUESTIONS 27 THROUGH 29**

27. Look at the instructions for 22a to see what to count as work. Mark Never worked if the person: (1) never worked at any kind of job or business, either full or part time, (2) never did any work, with or without pay, in a family business or farm and (3) never served in the Armed Forces.

- 28a. If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that has no company name, print the name of the individual worked for. If the person worked in his or her own business, print "self-employed."

- b. Print two or more words to tell what the business, industry, or individual employer named in 28a does. If there is more than one activity, describe only the major activity *at the place where the person works*. Enter what is made, what is sold, or what service is given.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

**Unacceptable**

Furniture company

**Acceptable**

Metal furniture manufacturing

Grocery store

Wholesale grocery store

Oil company

Retail gas station

Ranch

Cattle ranch

- c. Mark Manufacturing if the factory, plant, mill, etc., mostly makes things, even if it also sells them.

Mark Wholesale trade if the business mostly sells things to stores or other companies.

Mark Retail trade if the business mostly sells things (not services) to individuals.

Mark Other if the main activity of the employer is not making or selling things. Some examples of Other are farming, construction, and services such as those provided by hotels, dry cleaners, repair shops, schools, and banks.

- 29a. Print two or more words to describe the kind of work the person does. If the person is a trainee, apprentice, or helper, include that in the description.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

**Unacceptable**

Clerk

**Acceptable**

Production clerk

Helper

Carpenter's helper

Mechanic

Auto engine mechanic

Nurse

Registered nurse

- b. Print the most important things that the person does on the job. Some examples are shown on the census form.

**INSTRUCTIONS FOR QUESTIONS 30 THROUGH 33**

- 30.** If the person was an employee of a *private* nonprofit organization, such as a church, fill the first circle:

Mark Local government employee for a teacher working in an elementary or secondary public school.

- 31a.** Look at the instructions for question 22a to see what to count as work.

b. Count every week in which the person did any work at all, even for an hour.

c. If the hours worked each week varied considerably, give the best estimate of the hours usually worked most weeks.

d. Count every week in which the person did not work at all, but spent any time looking for work or on layoff from a job. *Looking for work* means trying to get a job or start a business or professional practice; *layoff* includes either temporary or indefinite layoff.

- 32.** Fill the Yes or No circle for each part and enter the appropriate amount. If income from any source was received jointly by household members, report if possible, the appropriate share for each person; otherwise, report the whole amount for only one person and mark No for the other person, unless the other person has additional income of the same type.

a. Include sick leave pay. Do not include reimbursement for business

expenses and pay "in kind," (for example, food, lodging received as payment for work performed).

b. Include net earnings (gross earnings minus business expenses) from a nonfarm business. If business lost money, write "Loss" above the amount.

c. Include net earnings (gross receipts minus operating expenses) from a farm. If farm lost money, write "Loss" above the amount.

d. Include interest and dividends credited to the person's account (for example, from savings accounts and stock shares), net royalties, and net income from rental property.

e. Include Social Security or Railroad Retirement payments to retired persons, to dependents of deceased insured workers and to disabled workers.

f. Include public assistance or welfare payments received from Federal, State, or local agencies. Do not include private welfare payments.

g. Include all other regular payments, such as government employee retirement, union or private pensions and annuities; unemployment benefits; worker's compensation; Armed Forces allotments; private welfare payments; regular contributions from persons not living in the household; etc.

Do not include lump-sum payments received from the sale of property (capital gains), insurance policies, inheritances, etc.

- 33.** If no income was received in 1979, fill the None circle. If total income was a loss, write "Loss" above the amount.

Please fill out this  
official Census Form  
and mail it back on  
Census Day,  
Tuesday, April 1, 1980

If the address shown below has the wrong apartment identification, please write the correct apartment number or location here:					
•					
•					
DO	A1	A2	A4	A5	A6
L					

## Your answers are confidential

By law (title 13, U.S. Code), census employees are subject to fine and/or imprisonment for any disclosure of your answers. Only after 72 years does your information become available to other government agencies or the public. The same law requires that you answer the questions to the best of your knowledge.

## Para personas de habla hispana

(For Spanish-speaking persons):

SI USTED DESEA UN CUESTIONARIO DEL CENSO EN ESPAÑOL  
llame a la oficina del censo. El número de teléfono se encuentra en  
el encasillado de la dirección.

O, si prefiere, marque esta casilla  y devuelva el cuestionario  
por correo en el sobre que se le incluye.

# 1980 Census of the United States

A message from the Director,  
Bureau of the Census . . .

We must, from time to time, take stock of ourselves as a people if our Nation is to meet successfully the many national and local challenges we face. This is the purpose of the 1980 census.

The essential need for a population census was recognized almost 200 years ago when our Constitution was written. As provided by article I, the first census was conducted in 1790 and one has been taken every 10 years since then.

The law under which the census is taken protects the confidentiality of your answers. For the next 72 years — or until April 1, 2052 — only sworn census workers have access to the individual records, and no one else may see them.

Your answers, when combined with the answers from other people, will provide the statistical figures needed by public and private groups, schools, business and industry, and Federal, State, and local governments across the country. These figures will help all sectors of American society understand how our population and housing are changing. In this way, we can deal more effectively with today's problems and work toward a better future for all of us.

The census is a vitally important national activity. Please do your part by filling out this census form accurately and completely. If you mail it back promptly in the enclosed postage-paid envelope, it will save the expense and inconvenience of a census taker having to visit you.

Thank you for your cooperation.

# How to fill out your Census Form

Page 1

**See the filled-out example in the yellow instruction guide. This guide will help with any problems you may have.**

If you need more help, call the Census Office. The telephone number of the local office is shown at the bottom of the address box on the front cover.

**Use** a black pencil to answer the questions. Black pencil is better to use than ballpoint or other pens.

Fill circles "O" completely, like this ●

When you write in an answer, print or write clearly.

**Make** sure that answers are provided for everyone here.

See page 4 of the guide if a roomer or someone else in the household does not want to give you all the information for the form.

**Answer** the questions on pages 1 through 5, and then starting with pages 6 and 7, fill a pair of pages for each person in the household.

Check your answers. Then write your name, the date, and telephone number on page 20.

**Mail back this form on Tuesday, April 1, or as soon afterward as you can. Use the enclosed envelope; no stamp is needed.**

**Please** start by answering Question 1 below

## Question 1

### List in Question 1

- Family members living here, including babies still in the hospital
  - Relatives living here
  - Lodgers or boarders living here
  - Other persons living here
  - College students who stay here while attending college, even if their parents live elsewhere
  - Persons who usually live here but are temporarily away (including children in boarding school below the college level)
  - Persons with a home elsewhere but who stay here most of the week while working

**Do Not List in Question 1**

- Any person away from here in the Armed Forces.
  - Any college student who stays somewhere else while attending college.
  - Any person who usually stays somewhere else most of the week while working there.
  - Any person away from here in an institution such as a home for the aged or mental hospital.
  - Any person staying or visiting here who has a usual home elsewhere.

. What is the name of each person who was living here on Tuesday, April 1, 1980, or who was staying or visiting here and had no other home?

## Note

If everyone here is staying only temporarily and has a usual home elsewhere, please mark this box .

Then please:

- answer the questions on pages 2 through 5 only.  
and
  - enter the address of your usual home on page 20.

Please continue →

## **Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages**

Page 2

**ALSO ANSWER THE HOUSING QUESTIONS ON PAGE 3**



## Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

Page 4

**ALSO ANSWER THESE QUESTIONS**

<p><b>H13. Which best describes this building?</b> <i>Include all apartments, flats, etc., even if vacant.</i></p> <ul style="list-style-type: none"> <li><input type="radio"/> A mobile home or trailer</li> <li><input type="radio"/> A one-family house detached from any other house</li> <li><input type="radio"/> A one-family house attached to one or more houses</li> <li><input type="radio"/> A building for 2 families</li> <li><input type="radio"/> A building for 3 or 4 families</li> <li><input type="radio"/> A building for 5 to 9 families</li> <li><input type="radio"/> A building for 10 to 19 families</li> <li><input type="radio"/> A building for 20 to 49 families</li> <li><input type="radio"/> A building for 50 or more families</li> <li><input type="radio"/> A boat, tent, van, etc.</li> </ul> <p><b>H14a. How many stories (floors) are in this building?</b> <i>Count an attic or basement as a story if it has any finished rooms for living purposes.</i></p> <ul style="list-style-type: none"> <li><input type="radio"/> 1 to 3 — <i>Skip to H15</i></li> <li><input type="radio"/> 7 to 12</li> <li><input type="radio"/> 4 to 6</li> <li><input type="radio"/> 13 or more stories</li> </ul> <p><b>b. Is there a passenger elevator in this building?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> </ul> <p><b>H15a. Is this building —</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> On a city or suburban lot, or on a place of less than 1 acre? — <i>Skip to H16</i></li> <li><input type="radio"/> On a place of 1 to 9 acres?</li> <li><input type="radio"/> On a place of 10 or more acres?</li> </ul> <p><b>b. Last year, 1979, did sales of crops, livestock, and other farm products from this place amount to —</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Less than \$50 (or None)</li> <li><input type="radio"/> \$250 to \$599</li> <li><input type="radio"/> \$1,000 to \$2,499</li> <li><input type="radio"/> \$50 to \$249</li> <li><input type="radio"/> \$600 to \$999</li> <li><input type="radio"/> \$2,500 or more</li> </ul> <p><b>H16. Do you get water from —</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> A public system (<i>city water department, etc.</i>) or private company?</li> <li><input type="radio"/> An individual drilled well?</li> <li><input type="radio"/> An individual dug well?</li> <li><input type="radio"/> Some other source (<i>a spring, creek, river, cistern, etc.</i>)?</li> </ul> <p><b>H17. Is this building connected to a public sewer?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Yes, connected to public sewer</li> <li><input type="radio"/> No, connected to septic tank or cesspool</li> <li><input type="radio"/> No, use other means</li> </ul> <p><b>H18. About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> 1979 or 1980</li> <li><input type="radio"/> 1960 to 1969</li> <li><input type="radio"/> 1940 to 1949</li> <li><input type="radio"/> 1975 to 1978</li> <li><input type="radio"/> 1950 to 1959</li> <li><input type="radio"/> 1939 or earlier</li> <li><input type="radio"/> 1970 to 1974</li> </ul> <p><b>H19. When did the person listed in column 1 move into this house (or apartment)?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> 1979 or 1980</li> <li><input type="radio"/> 1950 to 1959</li> <li><input type="radio"/> 1975 to 1978</li> <li><input type="radio"/> 1949 or earlier</li> <li><input type="radio"/> 1970 to 1974</li> <li><input type="radio"/> Always lived here</li> <li><input type="radio"/> 1960 to 1969</li> </ul> <p><b>H20. How are your living quarters heated?</b> <i>Fill one circle for the kind of heat used most.</i></p> <ul style="list-style-type: none"> <li><input type="radio"/> Steam or hot water system</li> <li><input type="radio"/> Central warm-air furnace with ducts to the individual rooms (<i>Do not count electric heat pumps here</i>)</li> <li><input type="radio"/> Electric heat pump</li> <li><input type="radio"/> Other built-in electric units (<i>permanently installed in wall, ceiling, or baseboard</i>)</li> <li><input type="radio"/> Floor, wall, or pipeless furnace</li> <li><input type="radio"/> Room heaters with flue or vent, burning gas, oil, or kerosene</li> <li><input type="radio"/> Room heaters without flue or vent, burning gas, oil, or kerosene (<i>not portable</i>)</li> <li><input type="radio"/> Fireplaces, stoves, or portable room heaters of any kind</li> <li><input type="radio"/> No heating equipment</li> </ul>	<p><b>H21a. Which fuel is used most for house heating?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Gas: from underground pipes serving the neighborhood</li> <li><input type="radio"/> Gas: bottled, tank, or LP</li> <li><input type="radio"/> Electricity</li> <li><input type="radio"/> Fuel oil, kerosene, etc.</li> <li><input checked="" type="checkbox"/></li> <li><input type="radio"/> Coal or coke</li> <li><input type="radio"/> Wood</li> <li><input type="radio"/> Other fuel</li> <li><input type="radio"/> No fuel used</li> </ul> <p><b>b. Which fuel is used most for water heating?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Gas: from underground pipes serving the neighborhood</li> <li><input type="radio"/> Gas: bottled, tank, or LP</li> <li><input type="radio"/> Electricity</li> <li><input type="radio"/> Fuel oil, kerosene, etc.</li> <li><input checked="" type="checkbox"/></li> <li><input type="radio"/> Coal or coke</li> <li><input type="radio"/> Wood</li> <li><input type="radio"/> Other fuel</li> <li><input type="radio"/> No fuel used</li> </ul> <p><b>c. Which fuel is used most for cooking?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Gas: from underground pipes serving the neighborhood</li> <li><input type="radio"/> Gas: bottled, tank, or LP</li> <li><input type="radio"/> Electricity</li> <li><input type="radio"/> Fuel oil, kerosene, etc.</li> <li><input checked="" type="checkbox"/></li> <li><input type="radio"/> Coal or coke</li> <li><input type="radio"/> Wood</li> <li><input type="radio"/> Other fuel</li> <li><input type="radio"/> No fuel used</li> </ul> <p><b>H22. What are the costs of utilities and fuels for your living quarters?</b></p> <p><b>a. Electricity</b></p> <p style="text-align: center;"><b>\$ .00 OR</b></p> <p style="text-align: center;"><i>Average monthly cost</i></p> <ul style="list-style-type: none"> <li><input type="radio"/> Included in rent or no charge</li> <li><input type="radio"/> Electricity not used</li> </ul> <p><b>b. Gas</b></p> <p style="text-align: center;"><b>\$ .00 OR</b></p> <p style="text-align: center;"><i>Average monthly cost</i></p> <ul style="list-style-type: none"> <li><input type="radio"/> Included in rent or no charge</li> <li><input type="radio"/> Gas not used</li> </ul> <p><b>c. Water</b></p> <p style="text-align: center;"><b>\$ .00 OR</b></p> <p style="text-align: center;"><i>Yearly cost</i></p> <ul style="list-style-type: none"> <li><input type="radio"/> Included in rent or no charge</li> </ul> <p><b>d. Oil, coal, kerosene, wood, etc.</b></p> <p style="text-align: center;"><b>\$ .00 OR</b></p> <p style="text-align: center;"><i>Yearly cost</i></p> <ul style="list-style-type: none"> <li><input type="radio"/> Included in rent or no charge</li> <li><input type="radio"/> These fuels not used</li> </ul> <p><b>H23. Do you have complete kitchen facilities? Complete kitchen facilities are a sink with piped water, a range or cookstove, and a refrigerator.</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input checked="" type="checkbox"/></li> <li><input type="radio"/> No</li> </ul> <p><b>H24. How many bedrooms do you have?</b> <i>Count rooms used mainly for sleeping even if used also for other purposes.</i></p> <ul style="list-style-type: none"> <li><input type="radio"/> No bedroom</li> <li><input type="radio"/> 2 bedrooms</li> <li><input type="radio"/> 4 bedrooms</li> <li><input type="radio"/> 1 bedroom</li> <li><input type="radio"/> 3 bedrooms</li> <li><input type="radio"/> 5 or more bedrooms</li> </ul> <p><b>H25. How many bathrooms do you have?</b> <i>A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water.</i></p> <p><i>A half bathroom has at least a flush toilet or bathtub or shower, but does not have all the facilities for a complete bathroom.</i></p> <ul style="list-style-type: none"> <li><input type="radio"/> No bathroom, or only a half bathroom</li> <li><input type="radio"/> 1 complete bathroom</li> <li><input type="radio"/> 1 complete bathroom, plus half bath(s)</li> <li><input type="radio"/> 2 or more complete bathrooms</li> </ul> <p><b>H26. Do you have a telephone in your living quarters?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input checked="" type="checkbox"/></li> <li><input type="radio"/> No</li> </ul> <p><b>H27. Do you have air conditioning?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Yes, a central air-conditioning system</li> <li><input type="radio"/> Yes, 1 individual room unit</li> <li><input type="radio"/> Yes, 2 or more individual room units</li> <li><input type="radio"/> No</li> </ul> <p><b>H28. How many automobiles are kept at home for use by members of your household?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> None</li> <li><input checked="" type="checkbox"/></li> <li><input type="radio"/> 2 automobiles</li> <li><input type="radio"/> 1 automobile</li> <li><input type="radio"/> 3 or more automobiles</li> </ul> <p><b>H29. How many vans or trucks of one-ton capacity or less are kept at home for use by members of your household?</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> None</li> <li><input type="radio"/> 2 vans or trucks</li> <li><input type="radio"/> 1 van or truck</li> <li><input type="radio"/> 3 or more vans or trucks</li> </ul>
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**CENSUS USE**

**H22a.**  
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**H22b.**  
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**H22c.**  
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**H22d.**  
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**Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages**

FOR YOUR HOUSEHOLD

Page 5

*Please answer H30–H32 if you live in a one-family house which you own or are buying, unless this is –*

- A mobile home or trailer . . . . .
  - A house on 10 or more acres . . . . .
  - A condominium unit . . . . .
  - A house with a commercial establishment  
or medical office on the property . . . . .

If any of these, or if you rent your unit or this is a multi-family structure, skip H30 to H32 and turn to page 6.

**H30. What were the real estate taxes on this property last year?**

\$ .00 OR  None

**H31. What is the annual premium for fire and hazard insurance on this property?**

\$ .00 OR  None

**H32a. Do you have a mortgage, deed of trust, contract to purchase, or similar debt on this property?**

- Yes, mortgage, deed of trust, or similar debt
  - Yes, contract to purchase
  - No — Skip to page 6

b. Do you have a second or junior mortgage on this property?

- Yes       No

c. How much is your total regular monthly payment to the lender?

*Also include payments on a contract to purchase and to lenders holding second or junior mortgages on this property.*

\$ .00 OR  No regular payment required — *Skip to page 6*

d. Does your regular monthly payment (amount entered in H32c) include payments for real estate taxes on this property?

- Yes, taxes included in payment        
 No, taxes paid separately or taxes not required

e. Does your regular monthly payment (amount entered in H32c) include payments for fire and hazard insurance on this property?

- Yes, insurance included in payment
  - No, insurance paid separately or no insurance

Please turn to page 6

FOR CENSUS USE ONLY

<b>(1)</b>	2.	4.	<b>(2)</b>	2.	4.	<b>(3)</b>	2.	4.
S.S.	○ ○ I I ε ε Yes ○	○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G	S.S.	○ ○ I I ε ε Yes ○	○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G	S.S.	○ ○ I I ε ε Yes ○	○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G
No	○ ○ ? ? ○	○ ○ ○ ? ? ? ○	No	○ ○ ? ? ○	○ ○ ○ ? ? ? ○	No	○ ○ ? ? ○	○ ○ ○ ? ? ? ○
	9 9 9	9 9 9		9 9 9	9 9 9		9 9 9	9 9 9
<b>(4)</b>	2. <input checked="" type="checkbox"/>	4.	<b>(5)</b>	2. <input checked="" type="checkbox"/>	4.	<b>(6)</b>	2. <input checked="" type="checkbox"/>	4.
S.S.	○ ○ I I ε ε Yes ○	○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G	S.S.	○ ○ I I ε ε Yes ○	○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G	S.S.	○ ○ I I ε ε Yes ○	○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G
No	○ ○ ? ? ○	○ ○ ○ ? ? ? ○	No	○ ○ ? ? ○	○ ○ ○ ? ? ? ○	No	○ ○ ? ? ○	○ ○ ○ ? ? ? ○
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<b>(7)</b>	2. <input checked="" type="checkbox"/>	4.	GQ.	<input checked="" type="checkbox"/>	H30.	H31. <input checked="" type="checkbox"/>	H32.c.	
S.S.	○ ○ I I ε ε Yes ○	○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G		○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G		○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G		○ ○ ○ I I I ε ε ε 3 3 3 4 4 4 5 5 5 G G G
No	○ ○ ? ? ○	○ ○ ○ ? ? ? ○		○ ○ ○ ? ? ? ○		○ ○ ○ ? ? ? ○		○ ○ ○ ? ? ? ○
	9 9 9	9 9 9		9 9 9	9 9 9		9 9 9	9 9 9

## Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

**Page 6**

**ANSWER THESE QUESTIONS FOR**

<b>Name of Person 1 on page 2:</b> Last name      First name      Middle initial			<b>16. When was this person born?</b> <input type="radio"/> Born before April 1965 — <i>Please go on with questions 17-33</i> <input checked="" type="checkbox"/> <input type="radio"/> Born April 1965 or later — <i>Turn to next page for next person</i>				
<b>11. In what State or foreign country was this person born?</b> <i>Print the State where this person's mother was living when this person was born. Do not give the location of the hospital unless the mother's home and the hospital were in the same State.</i>			<b>17. In April 1975 (five years ago) was this person —</b> a. <b>On active duty in the Armed Forces?</b> <input type="radio"/> Yes <input type="radio"/> No b. <b>Attending college?</b> <input type="radio"/> Yes <input type="radio"/> No c. <b>Working at a job or business?</b> <input type="radio"/> Yes, full time <input type="radio"/> No <input type="radio"/> Yes, part time				
<b>12. If this person was born in a foreign country —</b> a. <b>Is this person a naturalized citizen of the United States?</b> <input type="radio"/> Yes, a naturalized citizen <input type="radio"/> No, not a citizen <input checked="" type="checkbox"/> Born abroad of American parents			<b>18a. Is this person a veteran of active-duty military service in the Armed Forces of the United States?</b> <i>If service was in National Guard or Reserves only, see instruction guide.</i> <input type="radio"/> Yes <input type="radio"/> No — <i>Skip to 19</i>				
<b>13a. Does this person speak a language other than English at home?</b> <input checked="" type="checkbox"/> Yes <input type="radio"/> No, only speaks English — <i>Skip to 14</i>			<b>b. Was active-duty military service during —</b> <i>Fill a circle for each period in which this person served.</i> <input type="radio"/> May 1975 or later <input type="radio"/> Vietnam era ( <i>August 1964—April 1975</i> ) <input type="radio"/> February 1955—July 1964 <input type="radio"/> Korean conflict ( <i>June 1950—January 1955</i> ) <input type="radio"/> World War II ( <i>September 1940—July 1947</i> ) <input type="radio"/> World War I ( <i>April 1917—November 1918</i> ) <input type="radio"/> Any other time				
<b>14. What is this person's ancestry? If uncertain about how to report ancestry, see instruction guide.</b> <i>(For example: Afro-American, English, French, German, Honduran, Hungarian, Irish, Italian, Jamaican, Korean, Lebanese, Mexican, Nigerian, Polish, Ukrainian, Venezuelan, etc.)</i>			<b>19. Does this person have a physical, mental, or other health condition which has lasted for 6 or more months and which . . .</b> a. <b>Limits the kind or amount</b> <b>Yes</b> <b>No</b> of work this person can do at a job? . . . . . b. <b>Prevents this person from working at a job?</b> <input type="radio"/> <input type="radio"/> c. <b>Limits or prevents this person from using public transportation?</b> . . . . . 				
<b>15a. Did this person live in this house five years ago (April 1, 1975)?</b> <i>If in college or Armed Forces in April 1975, report place of residence there.</i> <input type="radio"/> Born April 1975 or later — <i>Turn to next page for next person</i> <input type="radio"/> Yes, this house — <i>Skip to 16</i> <input type="checkbox"/> No, different house			<b>20. If this person is a female —</b> <b>None</b> <b>1</b> <b>2</b> <b>3</b> <b>4</b> <b>5</b> <b>6</b> <b>How many babies has she ever had, not counting stillbirths?</b> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <i>Do not count her stepchildren or children she has adopted.</i> <b>7</b> <b>8</b> <b>9</b> <b>10</b> <b>11</b> <b>12</b> <b>or more</b> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>				
<b>15b. Where did this person live five years ago (April 1, 1975)?</b> (1) State, foreign country, Puerto Rico, Guam, etc.: _____  (2) County: _____  (3) City, town, village, etc.: _____  (4) Inside the incorporated (legal) limits of that city, town, village, etc.? <input type="radio"/> Yes <input type="radio"/> No, in unincorporated area			<b>21. If this person has ever been married —</b> a. <b>Has this person been married more than once?</b> <input type="radio"/> Once <input type="radio"/> More than once  b. <b>Month and year of marriage?</b> <b>Month and year of first marriage?</b> <i>(Month)      (Year)      (Month)      (Year)</i>  c. <b>If married more than once — Did the first marriage end because of the death of the husband (or wife)?</b> <input type="radio"/> Yes <input type="radio"/> No				
<b>FOR CENSUS USE ONLY</b>							
<b>Per.</b>	<b>11.</b>	<b>13b.</b>	<b>14.</b>	<b>15b.</b>	<b>23.</b>	<b>VL</b>	<b>24a.</b>
<b>No.</b>	<b>0 0 0</b>	<b>0 0 0</b>	<b>0 0 0</b>	<b>0 0 0</b>	<b>0 0 0</b>	<b>0 0 0</b>	<b>0 0 0</b>
<b>I</b>	<b>I I I</b>	<b>I I I</b>	<b>I I I</b>	<b>I I I</b>	<b>I I I</b>	<b>I I I</b>	<b>I I I</b>
<b>2</b>	<b>2 2 2</b>	<b>2 2 2</b>	<b>2 2 2</b>	<b>2 2 2</b>	<b>2 2 2</b>	<b>2 2 2</b>	<b>2 2 2</b>
<b>3</b>	<b>3 3 3</b>	<b>3 3 3</b>	<b>3 3 3</b>	<b>3 3 3</b>	<b>3 3 3</b>	<b>3 3 3</b>	<b>3 3 3</b>
<b>4</b>	<b>4 4 4</b>	<b>4 4 4</b>	<b>4 4 4</b>	<b>4 4 4</b>	<b>4 4 4</b>	<b>4 4 4</b>	<b>4 4 4</b>
<b>5</b>	<b>5 5 5</b>	<b>5 5 5</b>	<b>5 5 5</b>	<b>5 5 5</b>	<b>5 5 5</b>	<b>5 5 5</b>	<b>5 5 5</b>
<b>6</b>	<b>6 6 6</b>	<b>6 6 6</b>	<b>6 6 6</b>	<b>6 6 6</b>	<b>6 6 6</b>	<b>6 6 6</b>	<b>6 6 6</b>
<b>7</b>	<b>7 7 7</b>	<b>7 7 7</b>	<b>7 7 7</b>	<b>7 7 7</b>	<b>7 7 7</b>	<b>7 7 7</b>	<b>7 7 7</b>
<b>8</b>	<b>8 8 8</b>	<b>8 8 8</b>	<b>8 8 8</b>	<b>8 8 8</b>	<b>8 8 8</b>	<b>8 8 8</b>	<b>8 8 8</b>
<b>9</b>	<b>9 9 9</b>	<b>9 9 9</b>	<b>9 9 9</b>	<b>9 9 9</b>	<b>9 9 9</b>	<b>9 9 9</b>	<b>9 9 9</b>

# Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

**PERSON 1 ON PAGE 2**

**Page 7**

<p>c. When going to work <u>last week</u>, did this person usually —</p> <p><input type="radio"/> Drive alone — <b>Skip to 28</b>      <input type="radio"/> Drive others only  <input type="radio"/> Share driving      <input type="radio"/> Ride as passenger only</p> <p>d. How many people, including this person, usually rode to work in the car, truck, or van <u>last week</u>?</p> <p><input type="radio"/> 2      <input checked="" type="checkbox"/> 4      <input type="radio"/> 6  <input type="radio"/> 3      <input type="radio"/> 5      <input type="radio"/> 7 or more</p> <p><i>After answering 24d, skip to 28.</i></p> <p>25. Was this person <u>temporarily absent</u> or on <u>layoff</u> from a job or business <u>last week</u>?</p> <p><input type="radio"/> Yes, on layoff  <input type="radio"/> Yes, on vacation, temporary illness, labor dispute, etc.  <input type="radio"/> No</p> <p>26a. Has this person been looking for work during the last 4 weeks?</p> <p><input checked="" type="checkbox"/> Yes      <input type="radio"/> No — <b>Skip to 27</b></p> <p>b. Could this person have taken a job <u>last week</u>?</p> <p><input type="radio"/> No, already has a job      <input checked="" type="checkbox"/>  <input type="radio"/> No, temporarily ill  <input type="radio"/> No, other reasons (<i>in school, etc.</i>)      <input checked="" type="checkbox"/>  <input type="radio"/> Yes, could have taken a job</p> <p>27. When did this person last work, even for a few days?</p> <p><input type="radio"/> 1980      <input type="radio"/> 1978      <input type="radio"/> 1970 to 1974  <input type="radio"/> 1979      <input type="radio"/> 1975 to 1977      <input type="radio"/> 1969 or earlier      <input type="radio"/> Never worked</p> <p><i>Skip to 31d</i></p> <p>28—30. Current or most recent job activity</p> <p><i>Describe clearly this person's chief job activity or business last week. If this person had more than one job, describe the one at which this person worked the most hours.</i>  <i>If this person had no job or business last week, give information for last job or business since 1975.</i></p> <p>(Name of company, business, organization, or other employer)</p> <p>b. What kind of business or industry was this?  <i>Describe the activity at location where employed.</i></p> <p>(For example: Hospital, newspaper publishing, mail order house, auto engine manufacturing, breakfast cereal manufacturing)</p> <p>c. Is this mainly — (Fill one circle)</p> <p>Manufacturing      <input checked="" type="checkbox"/> Retail trade  Wholesale trade      <input type="radio"/> Other — (<i>agriculture, construction, service, government, etc.</i>)</p> <p>29. Occupation</p> <p>a. What kind of work was this person doing?  <i>(For example: Registered nurse, personnel manager, supervisor of order department, gasoline engine assembler, grinder operator)</i></p> <p>b. What were this person's most important activities or duties?  <i>(For example: Patient care, directing hiring policies, supervising order clerks, assembling engines, operating grinding mill)</i></p> <p>30. Was this person — (Fill one circle)</p> <p>Employee of private company, business, or individual, for wages, salary, or commissions ..... <input checked="" type="checkbox"/>  Federal government employee ..... <input type="radio"/>  State government employee ..... <input type="radio"/>  Local government employee (city, county, etc.) ..... <input type="radio"/>  Self-employed in own business, professional practice, or farm —  Own business not incorporated ..... <input type="radio"/>  Own business incorporated ..... <input type="radio"/>  Working without pay in family business or farm ..... <input type="radio"/></p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CENSUS USE</th> <th style="width: 70%;">CENSUS USE ONLY</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr> <td>21b.</td> <td>31a. Last year (1979), did this person work, even for a few days, at a paid job or in a business or farm?</td> <td>31b. 31c. 31d.</td> </tr> <tr> <td>I 0 0 O 1 1 I 2 2 O 3 3 I 4 4 O 5 5 I 6 6 O 7 7 I 8 8 O 9 9</td> <td><input type="radio"/> Yes      <input checked="" type="checkbox"/>      <input type="radio"/> No — <b>Skip to 31d</b></td> <td>O 0 0 I 1 1 E 2 2 S 3 3 A 4 4 G 5 5 H 6 6 T 7 7 R 8 8 D 9 9</td> </tr> <tr> <td>22b.</td> <td>b. How many weeks did this person work in 1979?  <i>Count paid vacation, paid sick leave, and military service.</i></td> <td>Weeks</td> </tr> <tr> <td>I 0 0 I 1 1 E 2 2 S 3 3 A 4 4 G 5 5 H 6 6 T 7 7 R 8 8 D 9 9</td> <td>Weeks</td> <td>32a. 32b.</td> </tr> <tr> <td>28.</td> <td>c. 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Social Security or Railroad Retirement . . .</td> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> </tr> <tr> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> <td><input checked="" type="checkbox"/> Yes → \$ .00  <input type="radio"/> No      <i>(Annual amount — Dollars)</i></td> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> </tr> <tr> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> <td>f. Supplemental Security (SSI), Aid to Families with Dependent Children (AFDC), or other public assistance or public welfare payments . . .</td> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> </tr> <tr> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> <td><input type="radio"/> Yes → \$ .00  <input type="radio"/> No      <i>(Annual amount — Dollars)</i></td> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> </tr> <tr> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> <td>g. Unemployment compensation, veterans' payments, pensions, alimony or child support, or any other sources of income received regularly . . .</td> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> </tr> <tr> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> <td><i>Exclude lump-sum payments such as money from an inheritance or the sale of a home.</i></td> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> </tr> <tr> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> <td><input checked="" type="checkbox"/> Yes → \$ .00  <input type="radio"/> No      <i>(Annual amount — Dollars)</i></td> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> </tr> <tr> <td>I I I E E E S S S A A A G G G T T T R R R D D D</td> <td>33. 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→ Please turn to the next page and answer the questions for Person 2 on page 2

*f*

## Appendix F.—Publication and Computer Tape Program

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STF 3 . . . . .	F-4
STF 4 . . . . .	F-5
STF 5 . . . . .	F-5
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PUBLICATIONS	
Population and Housing Census Reports	
PHC80-1, Block Statistics—These reports, which are issued on microfiche rather	
GENERAL	
The results of the 1980 Census of Population and Housing are issued in three forms: printed reports, computer tape	

files, and microfiche. Most of the reports listed are issued on a flow basis through 1983. A few may be issued later, such as Subject Reports and Evaluation and Reference Reports.

The publications of the 1980 census are released under three subject titles: *1980 Census of Population and Housing*, *1980 Census of Population*, and *1980 Census of Housing*. The description of the publication program below is organized in sections, by census title, followed by the reports under each title. It should be noted that a number of population census reports contain some housing data and a number of housing census reports contain some population data. Following the description of the publication program are sections on computer tapes, maps, and microfiche.

The data product descriptions include listings of geographic areas for which data are summarized in that product. Note that the term "place" refers to incorporated places and census designated (or unincorporated) places, as well as towns and townships in 11 States (the 6 New England States, the 3 Middle Atlantic States, Michigan, and Wisconsin).

Order forms for these materials are available, subject to availability of the data product, from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233; Census Bureau Regional Offices; U.S. Department of Commerce District Offices; and State Data Centers. After issuance, census reports are on file in many libraries and are available for examination at any Department of Commerce District Office or Census Bureau Regional Office.

### PUBLICATIONS

#### Population and Housing Census Reports

PHC80-1, Block Statistics—These reports, which are issued on microfiche rather

than in print form, present population and housing unit totals and statistics on selected characteristics which are based on complete-count tabulations. Data are shown for blocks in urbanized areas and selected adjacent areas, for blocks in places of 10,000 or more inhabitants, and for blocks in areas which contracted with the Census Bureau to provide block statistics.

The set of reports consists of 374 sets of microfiche and includes a report for each standard metropolitan statistical area (SMSA), showing blocked areas within the SMSA, and a report for each State and for Puerto Rico, showing blocked areas outside SMSA's. In addition to microfiche, printed detailed maps showing the blocks covered by the particular report are available as well as a U.S. Summary, which is an index to the set.

**PHC80-2, Census Tracts**—Statistics for most of the population and housing subjects included in the 1980 census are presented for census tracts in SMSA's and in other tracted areas. Both complete-count data and sample data are included. Most statistics are presented by race and Spanish origin for areas with at least a specified number of persons in the relevant population group.

There is one report for each SMSA, as well as one for each of the States and Puerto Rico which have tracted areas outside SMSA's. In addition, maps showing the boundaries and identification numbers of census tracts in the SMSA are available as well as a U.S. Summary, which is an index to the set and also provides a historical listing of the total number of tracts by area.

**PHC80-3, Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas**—Statistics are presented on total population and on complete-count and sample population characteristics such as age, race, education, disability, ability to speak English, labor force, and income, and on total housing units and housing characteristics such as value, age of structure, and rent. These statistics are shown for the following areas or their equivalents: States, SMSA's, counties, county subdivisions (those which are functioning general-purpose local governments), and incorporated places.

There is one report for each State, the District of Columbia, and Puerto Rico.

This series does not include a U.S. Summary.

**PHC80-4, Congressional Districts of the 98th Congress**—These reports present complete-count and sample data for congressional districts of the 98th Congress. The reports reflect redistricting based on the 1982 elections. One report is issued for each of the 50 States and the District of Columbia.

**PHC80-S1-1, Provisional Estimates of Social, Economic, and Housing Characteristics**—This report presents provisional estimates based on sample data collected in the 1980 census. Data on social, economic, and housing characteristics are shown for the United States as a whole, each State, the District of Columbia, and SMSA's of 1 million or more inhabitants.

These data are based on a special sub-sample of the full census sample. The sample, which represents about 1.6 percent of the total population, was developed to provide users with initial data on characteristics of the population and housing units for the Nation and large areas.

**PHC80-S2, Advance Estimates of Social, Economic, and Housing Characteristics**—These reports present advance sample data from the 1980 census including such social and economic characteristics of the population as education, migration, labor force, and income as well as housing characteristics such as structural information, mortgage, and gross rent.

The set consists of 50 paperbound reports and includes one report for each State and the District of Columbia. No report will be issued for the United States as a whole.

Each report presents population and housing characteristics for the State, its counties or comparable areas, and places of 25,000 or more inhabitants. Selected data are shown for four race groups (White; Black; combined American Indian, Eskimo, and Aleut; and Asian and Pacific Islander) as well as for persons of Spanish origin.

### Population Census Reports

**PC80-1, Volume 1, Characteristics of the Population**—This volume presents final

population counts and statistics on population characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of four chapters for each area, chapters A, B, C, and D. Chapters A and B present data collected on a complete-count basis, and chapters C and D present estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The population totals presented in chapters A and B may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Chapters B, C, and D present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A, B, C, and D.

**PC80-1-A, Chapter A, Number of Inhabitants**—Final population counts are shown for the following areas or their equivalents: States, counties, county subdivisions, incorporated places and census designated places, standard consolidated statistical areas (SCSA's), SMSA's, and urbanized areas. Selected tables contain population counts by urban and rural residence. Many tables contain population counts from previous censuses.

**PC80-1-B, Chapter B, General Population Characteristics**—Statistics on household relationship, age, race, Spanish origin, sex, and marital status are shown for the following areas or their equivalents: States, counties (by total and rural residence), county subdivisions, places of 1,000 or more inhabitants, SCSA's,

SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

**PC80-1-C, Chapter C, General Social and Economic Characteristics**—Statistics are presented on nativity, State or country of birth, citizenship and year of immigration for the foreign-born population, language spoken at home and ability to speak English, ancestry, fertility, family composition, type of group quarters, marital history, residence in 1975, journey to work, school enrollment, years of school completed, disability, veteran status, labor force status, occupation, industry, class of worker, labor force status in 1979, income in 1979, and poverty status in 1979. In addition, data on subjects shown in the PC80-1-B reports are presented in this report in more detail.

Each subject is shown for some or all of the following areas or their equivalents: States, counties (by rural and rural-farm residence), places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

**PC80-1-D, Chapter D, Detailed Population Characteristics**—Statistics on most of the subjects covered in the PC80-1-C reports are presented in this report in considerably greater detail and cross-classified by age, race, Spanish origin, and other characteristics. Each subject is shown for the State or equivalent area, and some subjects are also shown for rural residence at the State level. Most subjects are shown for SMSA's of 250,000 or more inhabitants, and a few are shown for central cities of these SMSA's.

**PC80-2, Volume 2, Subject Reports**—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. A few reports show statistics for States, SMSA's, large cities, American Indian reservations, or Alaska Native villages. Separate reports are issued on such subjects as racial and ethnic groups, type of residence, fertility, families, marital status, migration, education, employment, occupation, industry, journey to work, income, poverty status, and other topics.

**PC80-S1, Supplementary Reports**—These reports present special compilations of

1980 census statistics dealing with specific population subjects.

### Housing Census Reports

**HC80-1, Volume 1, Characteristics of Housing Units**—This volume presents final housing unit counts and statistics on housing characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of two chapters for each area, chapters A and B. Chapter A presents data collected on a complete-count basis, and chapter B presents estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The housing totals presented in this report may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Both chapters present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A and B.

**HC80-1-A, Chapter A, General Housing Characteristics**—Statistics on units at address, tenure, condominium status, number of rooms, persons per room, plumbing facilities, value, contract rent, and vacancy status are shown for some or all of the following areas or their equivalents: States, counties, county subdivisions, places of 1,000 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables contain housing characteristics by urban and rural residence.

**HC80-1-B, Chapter B, Detailed Housing Characteristics**—Statistics on units in structure, year moved into unit, year structure built, heating equipment, fuels, air-conditioning, source of water, sewage disposal, gross rent, and selected monthly ownership costs are shown for some or all of the following areas or their equivalents: States, counties, places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables show housing characteristics for rural and rural farm residence at the State and county level. Some subjects included in the HC80-1-A reports are also covered in this report in more detail.

**HC80-2, Volume 2, Metropolitan Housing Characteristics**—This volume presents statistics on most of the 1980 housing census subjects in considerable detail and cross-classification. Most statistics are presented by race and Spanish origin for areas with at least a specified number of the relevant population group. Data are shown for States or equivalent areas, SMSA's and their central cities, and other cities of 50,000 or more inhabitants.

There is one report for each SMSA and one report for each State and Puerto Rico. The set includes a U.S. Summary report showing these statistics for the United States and regions.

**HC80-3, Volume 3, Subject Reports**—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. Separate reports are issued on housing of the elderly, mobile homes, and American Indian households.

**HC80-4, Volume 4, Components of Inventory Change**—This volume consists of two reports presenting statistics on the 1980 characteristics of housing units which existed in 1973, as well as on newly constructed units, conversions, mergers, demolitions, and other additions and losses to the housing inventory between 1973 and 1980. These reports present data derived from a sample survey conducted in the fall of 1980. Data are presented for the United States and regions in report I. Report II has two parts: Part A presents data for that group of SMSA's (not individually identified)

with populations of 1 million or more at the time of the 1970 census, and part B presents data for that group of SMSA's (not individually identified) with populations of less than 1 million at the time of the 1970 census.

**HC80-5, Volume 5, Residential Finance**—This volume consists of one report presenting statistics on the financing of non-farm homeowner and rental and vacant properties, including characteristics of the mortgage, property, and owner. The statistics are based on a sample survey conducted in the spring of 1981. Data are presented for the United States and regions. Some data are presented by inside and outside SMSA's and by central cities.

**HC80-S1-1, Supplementary Reports**—These reports present statistics from the 1980 Census of Housing on general characteristics of housing units for the 50 States and the District of Columbia, counties, and independent cities.

### Evaluation and Reference Reports

**PHC80-E, Evaluation and Research Reports**—These reports present the results of the extensive evaluation program conducted as an integral part of the 1980 census. This program relates to such matters as completeness of enumeration and quality of the data on characteristics.

**PHC80-R, Reference Reports**—These reports present information on the various administrative and methodological aspects of the 1980 census. The series includes:

**PHC80-R1, Users' Guide**—This report covers subject content, procedures, geography, statistical products, limitations of the data, sources of user assistance, notes on data use, a glossary of terms, and guides for locating data in reports and tape files. The guide is issued in looseleaf form and sold in parts (R1-A, B, etc.) as they are printed.

**PHC80-R2, History**—This report describes in detail all phases of the 1980 census, from the earliest planning through all stages to the dissemination of data and evaluation of results. It contains detailed discussion of 1980 census questions and their use in previous decennial censuses.

**PHC80-R3, Alphabetical Index of Industries and Occupations**—This report was developed primarily for use in classifying responses to the questions on the kind of business (industry) and kind of work (occupation) in which the respondent is engaged. The index lists approximately 20,000 industry and 29,000 occupation titles in alphabetical order.

**PHC80-R4, Classified Index of Industries and Occupations**—This report defines the industrial and occupational classification systems adopted for the 1980 Census of Population. It presents the individual titles that constitute each of the 231 industry and 503 occupation categories in the classification systems. The individual titles are the same as those shown in the Alphabetical Index. The 1980 occupation classification reflects the new U.S. Standard Occupational Classification (SOC). As in the past, the 1980 industry classification reflects the Standard Industrial Classification (SIC).

**PHC80-R5, Geographic Identification Code Scheme**—This report identifies the names and related geographic codes for each State, county, minor civil division, place, region, division, SCSA, SMSA, American Indian reservation, and Alaska Native village for which the Census Bureau tabulated data from the 1980 census.

## COMPUTER TAPES

### Summary Tape Files

In addition to the printed and microfiche reports, results of the 1980 census also are provided on computer tape in the form of summary tape files (STF's). These data products have been designed to provide statistics with greater subject and geographic detail than is feasible or desirable to provide in printed and microfiche reports. The STF data are made available at nominal cost. The data are subject to suppression of certain detail where necessary to protect confidentiality.

There are five STF's (listed below), and the amount of geographic and subject detail presented varies. STF's 1 and 2 contain complete-count data, and STF's 3, 4, and 5 contain sample data. Note that the term "cells" used below refers

to the number of subject statistics provided for each geographic area, and the number of cells is indicative of the detail of the subject content of the file.

Each of the STF's generally consists of two or more files which provide different degrees of geographic detail and, in some cases, race/Spanish origin cross-classification. For each of the files there is a separate tape or tapes for each State, the District of Columbia, and Puerto Rico. Selected files (STF 1 and STF 3) are also produced for Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. These tapes are issued on a State-by-State basis and are followed by a national summary tape for the particular file. More complete descriptions of the STF's than given in the summaries below can be found in the technical documentation of the specific file and in the PHC80-R1, *Users' Guide*.

**STF 1**—This STF provides 321 cells of complete-count population and housing data. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, congressional districts, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and blocks and block groups in blocked areas. The data include those shown in the PHC80-1, PHC80-3 (complete-count), and PC80-1-A reports.

**STF 2**—This STF contains 2,292 cells of detailed complete-count population and housing data, of which 962 are repeated for each race and Spanish origin group present in the tabulation area. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, counties, county subdivisions, places of 1,000 or more inhabitants, census tracts, American Indian reservations, and Alaska Native villages. The data include those shown in the PHC80-2 (complete-count), PC80-1-B, and HC80-1-A reports.

**STF 3**—This STF contains 1,126 cells of data on various population and housing subjects collected on a sample basis. The areas covered are the same as in STF 1, excluding blocks. The data include those shown in the PHC80-3 (sample) reports.

**STF 4**—This STF is the geographic counterpart of STF 2, but the number of cells of data is greater (approximately 8,400). STF 4 provides data covering virtually all of the population and housing subjects collected on a sample basis, as well as some of the complete-count subjects. Some of the statistics are repeated for race, Spanish origin, and ancestry groups. Data are summarized for areas similar to those shown in STF 2, except that data for places are limited to those with 2,500 or more inhabitants. The data include those shown in the PHC80-2 (sample), PC80-1-C, and HC80-1-B reports.

**STF 5**—This STF contains over 100,000 cells of data on various population and housing subjects collected on a sample basis and provides detailed tabulations and cross-classifications for States, SMSA's, counties, cities of 50,000 or more inhabitants and central cities. Most subjects are classified by race and Spanish origin. The data include those shown in the PC80-1-D and HC80-2 reports.

### Other Computer Tape Files

**P.L. 94-171, Population Counts**—In accordance with Public Law (P.L.) 94-171, the Census Bureau provides population tabulations to all States for legislative reapportionment/redistricting. The file is issued on a State-by-State basis. It contains population counts classified by race and Spanish origin. The data are tabulated for the following levels of geography as applicable: States, counties, county subdivisions, incorporated places, census tracts, blocks and block groups in blocked areas, and enumeration districts in unblocked areas. For States participating in the voluntary program to define election precincts in conjunction with the Census Bureau, the data are also tabulated for election precincts.

### Master Area Reference Files 1 and 2 (MARF)

MARF 1—This geographic reference file is an extract of STF 1 designed for those who require a master list of geographic codes and areas, along with basic census counts arranged hierarchically from the State down to the block group and enumeration district levels and is issued on a State-by-State basis. The file contains records for States, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and block groups in blocked areas. Each record shows the total population by five race groups, population of Spanish origin, number of housing units, number of households, number of families, and a few other items.

MARF 2—This file is the same as the MARF 1 with the latitude and longitude coordinates for a representative point (centroid) in each block group (BG) or enumeration district (ED) outside block numbered areas.

**Geographic Base File/Dual Independent Map Encoding (GBF/DIME)**—These files are computer representations of the Metropolitan Map Series, including address ranges and ZIP Codes, which generally cover the urbanized portions of SMSA's. GBF/DIME files are used to assign census geographic codes to addresses (geocoding). The files are available by SMSA.

**Public-Use Microdata Samples**—Public-use microdata samples are computerized files containing most population and housing characteristics as shown on a sample of individual census records. These files contain no names or addresses, and geographic identification is sufficiently broad to protect confidentiality.

There are three mutually exclusive samples, the A sample including 5 percent of all persons and housing units, and the

B and C samples each including 1 percent of all persons and housing units. States and most large SMSA's will be identifiable on one or more of the files. Microdata files allow the user to prepare customized tabulations.

**Census/EEO Special File**—This file provides sample census data with specified relevance to EEO and affirmative action uses. The file contains two tabulations, one with detailed occupational data and the other with years of school completed by age. The data in both tabulations are crossed by sex, race, and Spanish origin. These data are provided for all counties, for all SMSA's, and for places with a population of 50,000 or more.

### MAPS

Maps necessary to define areas are generally published and included as part of the corresponding reports. Maps are published for Block Statistics (PHC80-1) and Census Tracts (PHC80-2), but must be purchased separately from the report. Maps necessary to define enumeration districts are available on a cost-of-reproduction basis.

### MICROFICHE

Some of the computer tape products are available on microfiche. The STF microfiche are issued for each State or Area and for the United States. These include:

**STF 1 Microfiche**—Data from STF 1 are presented in tabular form for all the STF 1 geographic levels described previously, except blocks.

**STF 3 Microfiche**—Data from STF 3 are presented in tabular form for all the STF 3 geographic levels.

**P.L. 94-171 Counts Microfiche**—The data from the P.L. 94-171 computer file are presented in a listing format.

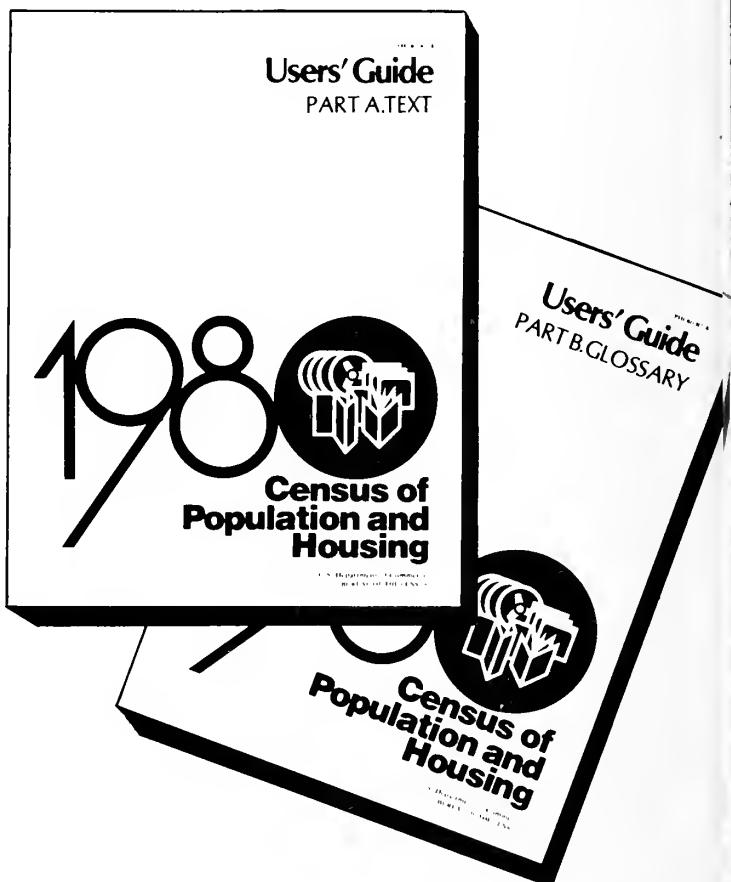
# 1980 Census of Population and Housing

## Users' Guide

The Users' Guide, a reference work on the 1980 census, is now available. It consists of:

- Part A. Text—Covers census data subjects; geographic considerations; reports, tapes, maps, and other products; services available to users; and many other topics central to understanding and using 1980 census data.
- Part B. Glossary—Provides detailed definitions of population, housing, geographic, and technical terms associated with the census—especially important for people using 1980 data on tape or microfiche.
- Sources of Assistance—Furnishes addresses and phone numbers of public and private sector organizations offering a variety of products and services, such as tape processing, area profiles, training, and reference assistance.
- Updates—Provide information on new developments relating to the 1980 census. Each update is keyed to the particular point in "Part A. Text" that needs revision.

Part C, a table finder, and Part D, a guide to tape contents, are planned for publication later.



Order from Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. Specify the stock number (S/N) given below and make checks payable to Superintendent of Documents.

Part A. Text (S/N 003-024-03625-8)—\$5.50. Supplement 1 (S/N 003-024-05004-8)—\$6.00 (includes Part B. Glossary, Sources of Assistance, and Updates)

Census HD 7293 .A56x  
1983 v.2 pt.36 c.2  
Census of housing (1980).  
1930 census of housing.

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